TOSHIBA

FILE NO. 033-200010

SERVICE MANUAL

COLOUR TELEVISION

C00P Chassis

56WH08G, 56WH08B

– SUMMARY –

56WH08G, 56WH08B are the same as 40WH08G except for the parts and mechamical disassembly and screen adjustment dimensions tabled on back of this sheet.
Use this service manual together with the original service manual of 40WH08G, 40WH08B (File No. 030-200004).

PRINTED IN JAPAN, Sep., 2000 Ⓣ

REPLACEMENT PARTS LIST DIFFERENCES

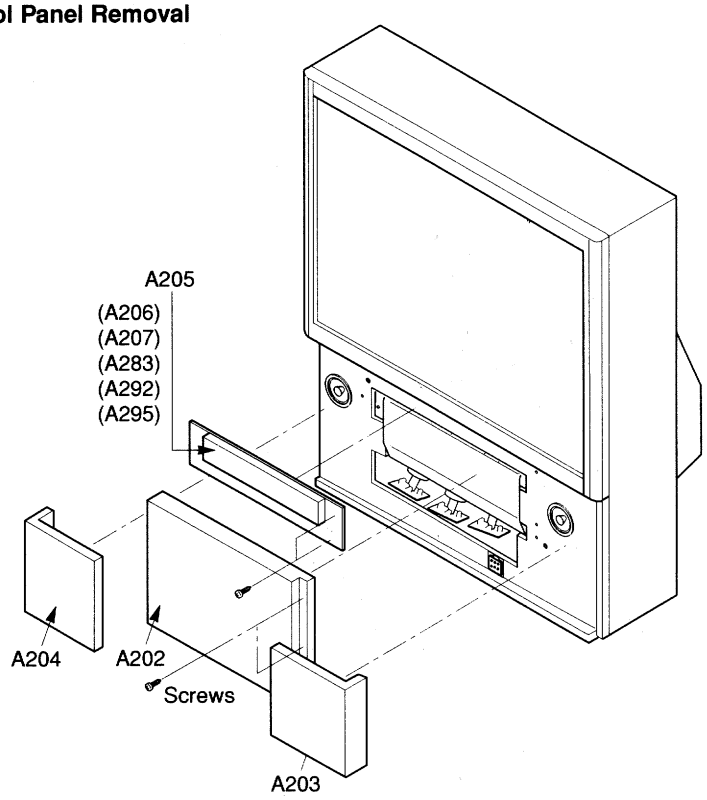
Location No.	Part No.	Description
A101	23411413	Cabinet
A107	23411416	Back Board
A108	23469296	Drip Cover
A164	23437802	Caster
A201	23540213	Panel
A203	23410818	Speaker Grille
A204	23410819	Speaker Grille
A205	23450287	Panel
A206	23444873	Knob
A207	23836498	Spring
A283	23433137	Deco. Piece
A292	23421736	Door
A295	23451976	Push Catch
A701	23064293	Carton
A702	23935793	Packing
A703	23845450	Joint
C661	24591472	PF, 4700pF
C664	24591473	PF, 0.047μF
C834	24669100	EL, 10μF, ±20%, 50V (56WH08B)
C835	24666470	EL, 47μF, ±20%, 16V (56WH08B)
CB51	24794470	EL, 47μF, ±20%, 16V
CF03	24567104	PF, 0.1μF(56WH08B)
CF04	24766101	EL, 100μF, ±20%, 50V (56WH08B)
CF05	24766101	EL, 100μF, ±20%, 50V (56WH08B)
CF06	24774220	Chip, 22pF, CH(56WH08B)
CF07	24774220	Chip, 22pF, CH(56WH08B)
CF08	24567104	PF, 0.1μF(56WH08B)
CF09	24567104	PF, 0.1μF(56WH08B)
CF10	24206100	EL, 10μF, ±20%, 50V (56WH08B)
CF11	24567104	PF, 0.1μF(56WH08B)
CF12	24814103	Chip, 0.01μF, +80%, -20% (56WH08B)
CF14	24814103	Chip, 0.01μF, +80%, -20% (56WH08B)
CF16	24567224	PF, 0.22μF (56WH08B)
CF18	24794101	EL, 100μF, ±20%, 16V (56WH08B)
CF19	24814103	Chip, 0.01μF, +80%, -20% (56WH08B)
CF20	24766010	EL, 1μF, ±20%, 50V (56WH08B)
D832	23115532	Diode, ERB12-01 (56WH08B)
DB51	23358493	Diode (LED), SPR54MVWFLMN
GJ02	24000824	Chip Jumper, 2125Type (56WH08B)
GJ07	24000824	Chip Jumper, 2125Type (56WH08B)
GJ09	24000824	Chip Jumper, 2125Type (56WH08B)
GJ10	24000824	Chip Jumper, 2125Type (56WH08B)
H001	23321346	Tuner, UF822BLW1 (56WH08B)
K101	23430160	Delta, DELTA79-A/B
K102	23430432	Delta, DELTA78-A/B
K103	23430160	Delta, DELTA79-A/B
K501	23430823	Lenti Sheet, SCREEN56KKHL
K502	23837523	Fresnel Sheet, SCREEN56KH-F
K601	23430756	Millor, MIRROR56KEB
K902	23306365	Remote Hand Unit, CT-90042 (56WH08B)
KB51	23904946	Remote Sensor, RPM-676CBR-S
LF01	23103775	Coil (Ferrite Bead), TEM2014 (56WH08B)
LF06	23238562	Coil, Peaking, TRF4109AJ (56WH08B)
LF07	23238562	Coil, Peaking, TRF4109AJ (56WH08B)
LF08	23238714	Coil, Peaking, TRF4100AJ (56WH08B)
LF09	23238714	Coil, Peaking, TRF4100AJ (56WH08B)
LF10	23238562	Coil, Peaking, TRF4109AJ (56WH08B)
LF11	23289834	Coil, Peaking, TRF41R0AT (56WH08B)
LF12	23289840	Coil, Peaking, TRF4100AT (56WH08B)
LF13	23289840	Coil, Peaking, TRF4100AT (56WH08B)
LF17	23289840	Coil, Peaking, TRF4100AT (56WH08B)
P801	23372012	Power Cord (56WH08B)
PB11B	23368578	Plug, 4P
PB15A	23368589	Plug, 3P
PB15B	23368589	Plug, 3P
Q832	23905976	IC, PQ05RD11 (56WH08B)
QA01	23000538	IC, 750010-135S (56WH08B)
QB51	23114433	Transistor, 2SC1815-Y
QB52	23114425	Transistor, 2SA1015-Y
QF01	23000507	IC, SDA5275-3S (56WH08B)
QF03	23314204	Transistor, 2SC2412K, Q (56WH08B)
QF04	23114437	Transistor, 2SC752GTM-Y (56WH08B)
QF08	23314163	Transistor, 2SA1162-Y (56WH08B)
R662	24366153	CF, 15k ohm
R664	24366333	CF, 33k ohm
R666	24366153	CF, 15k ohm
R667	24366223	CF, 22k ohm
R864	24553333	OMF, 33k ohm, 1W (56WH08B)
RB51	24366271	CF, 270 ohm
RB52	24366221	CF, 220 ohm
RB54	24366223	CF, 22k ohm
RB59	24366470	CF, 47 ohm
RB110	24366103	CF, 10k ohm
RB120	24366471	CF, 470 ohm
RF01	24872332	Chip, 3300 ohm, 1/16W (56WH08B)
RF03	24872682	Chip, 6800 ohm, 1/16W (56WH08B)

Location No.	Part No.	Description
RF04	24872223	Chip, 22k ohm, 1/16W (56WH08B)
RF06	24872102	Chip, 1k ohm, 1/16W (56WH08B)
RF08	23103832	Chip (Ferrite Bead), TEM2125M (56WH08B)
RF09	23103832	Chip (Ferrite Bead), TEM2125M (56WH08B)
RF10	23103832	Chip (Ferrite Bead), TEM2125M (56WH08B)
RF11	24872103	Chip, 10k ohm, 1/16W (56WH08B)
RF12	24872101	Chip, 100 ohm, 1/16W (56WH08B)
RF13	24872101	Chip, 100 ohm, 1/16W (56WH08B)
RF14	24872101	Chip, 100 ohm, 1/16W (56WH08B)
RF15	24872103	Chip, 10k ohm, 1/16W (56WH08B)
RF16	24872471	Chip, 470 ohm, 1/16W (56WH08B)
RF20	24872152	Chip, 1500 ohm, 1/16W (56WH08B)
RF21	24000824	Chip, Jumper, 2125 type (56WH08B)
RF22	24872102	Chip, 1k ohm, 1/16W (56WH08B)
RF26	24872102	Chip, 1k ohm, 1/16W (56WH08B)
RF32	24872101	Chip, 100 ohm, 1/16W (56WH08B)
RF34	24872102	Chip, 1k ohm, 1/16W (56WH08B)
RF39	24872472	Chip, 4700 ohm, 1/16W (56WH08B)
* U104A	23784365	EPG-TEXT(CH)VER.2 Board PB9411B(56WH08B)
* U901A	23785344	CRT-D R Board, PB9483C-1
* U901B	23785345	CRT-D G Board, PB9483C-2
* U901C	23785346	CRT-D B Board, PB9483C-3
* U901D	23785347	SVM-G Board, PB9483C-4
* U901E	23785348	SVM-R Board, PB9483C-5
* U901F	23785349	SVM-B Board, PB9483C-6
* U902A	23785350	Signal Board, PB9484E-1 (56WH08G)
* U902A	23785542	Signal Board, PB9484F-1 (56WH08B)
* U902B	23785351	RGB SW Board, PB9484E-2 (56WH08G)
* U902B	23785543	RGB SW Board, PB9484F-2 (56WH08B)
* U904	23785352	DEF Board, PB9485C
* U907	23785353	D-CONVER Board, PB9486C
* U908	23785016	Power Board, PB9487B (56WH08B)
* U911A	23785358	FRONT Board, PB9480A-1
* U911B	23785359	RMT Board, PB9480A-3
* U911C	23785360	LED Board, PB9480A-2
V911R	23908034	Projection Tube Ass'y, CRT-R
V912B	23908035	Projection Tube Ass'y, CRT-B
V912G	23908036	Projection Tube Ass'y, CRT-G
W661	23151232	Speaker, SPK-1235, 160X160mm, 8 ohm

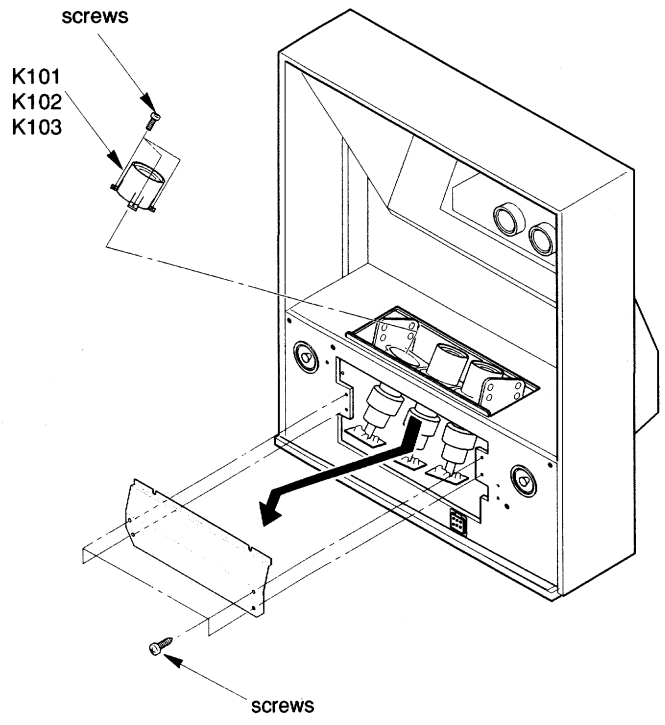
Location No.	Part No.	Description
W662	23351232	Speaker, SPK-1235, 160X160mm, 8 ohm
XA01	23153497	Crystal, 16.0 MHz (56WH08B)
Y101E	23565020	Owner's Manual, English, 56WH08B

56"

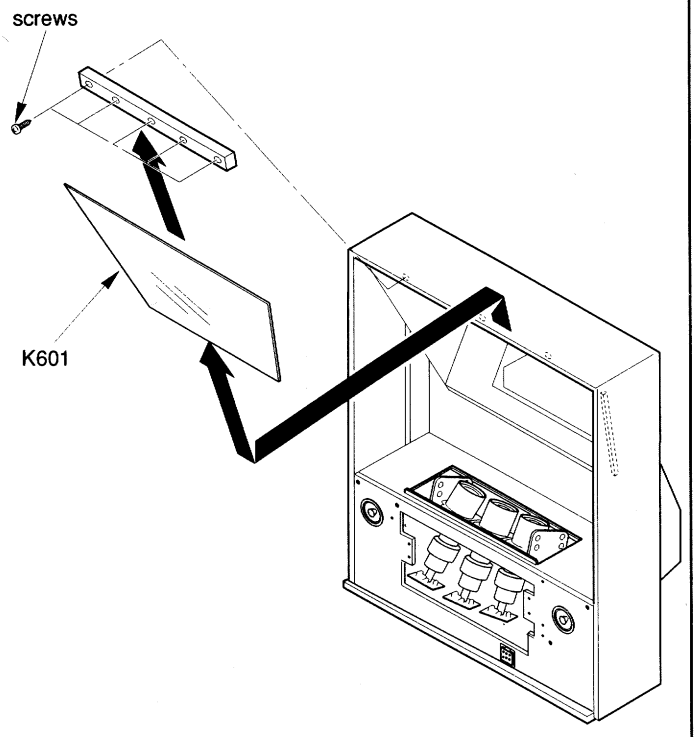
1 Speaker Grille and Control Panel Removal



4 Shield Plate, Lens Removal

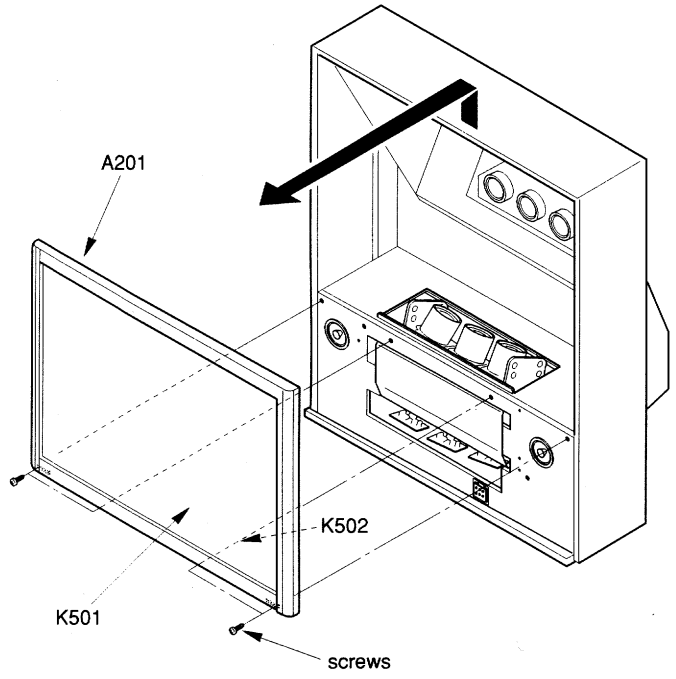


5 Mirror Removal

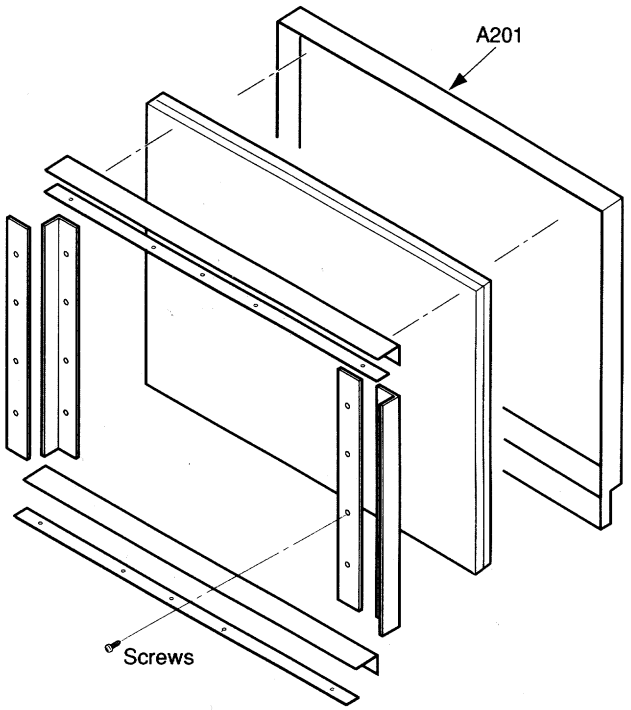


CAL DISASSEMBLY

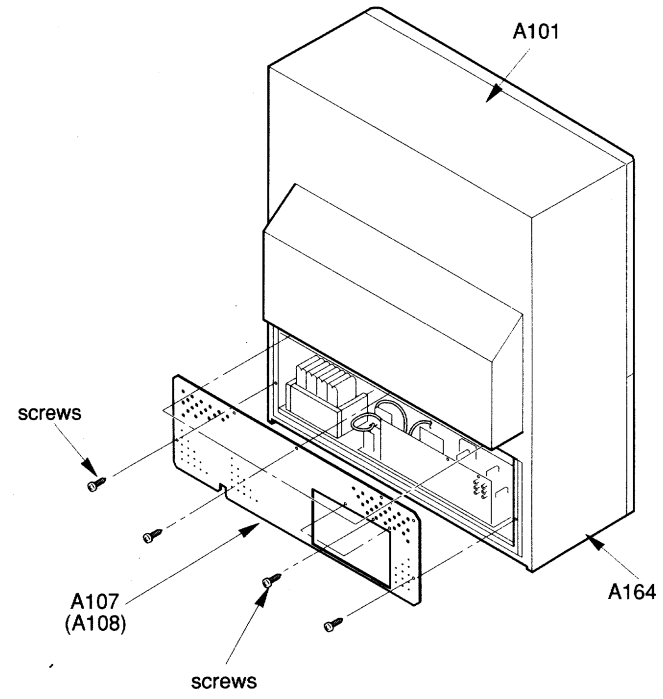
2 Front Mask Removal



3 Mask Removal



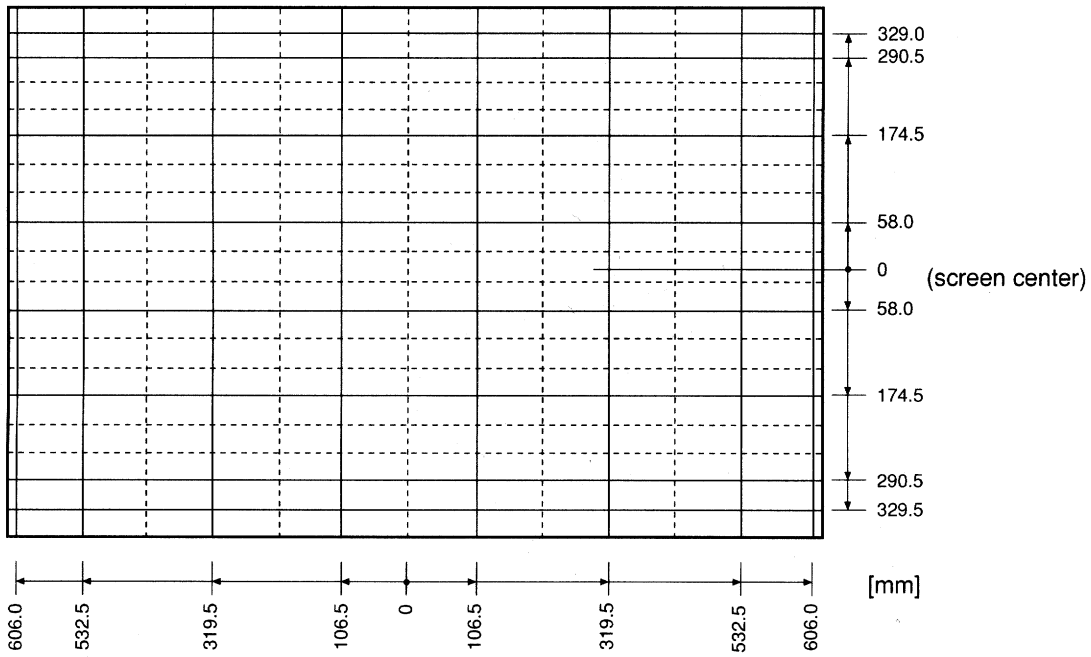
6 Back Board Removal



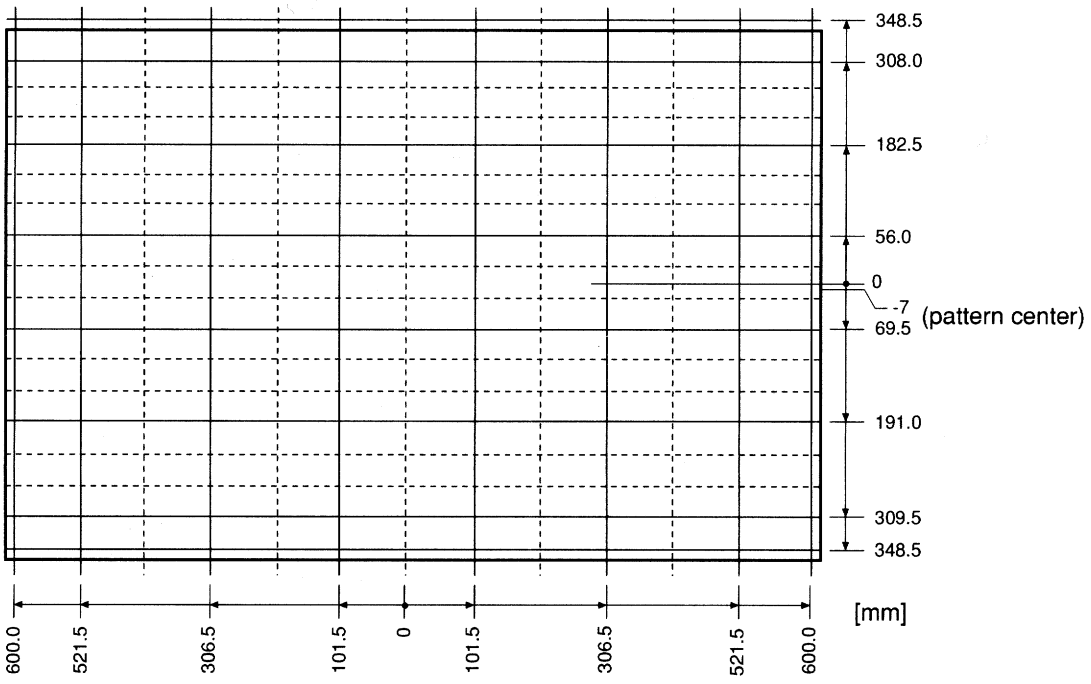
SCREEN ADJUSTMENT DIMENSIONS DIFFERENCES

3 Screen adjustment dimensions

3-1 WIDE/4:3 (PAL mode)



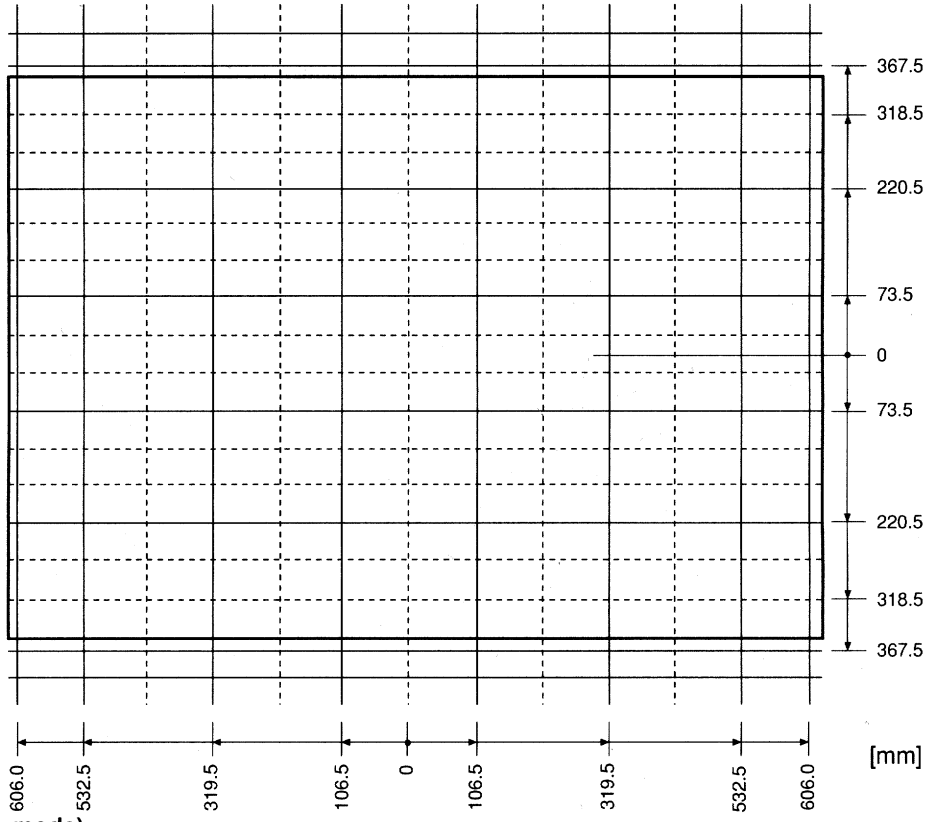
3-2 Super Wide (PAL mode)



Caution: Do not perform the VLIN adjustment.

3-3 Cinema (PAL mode)

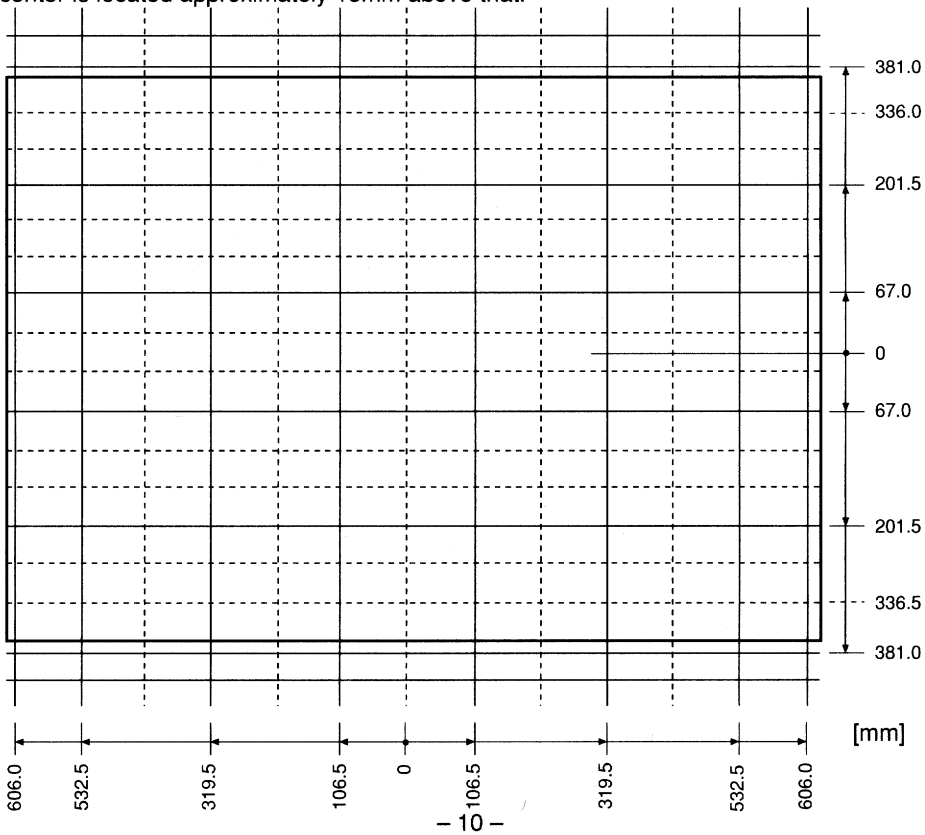
Note: The cursor will move outside the screen limits in the Cinema mode; therefore, be careful to consider the position of the cursor displayed on the screen when making adjustments.



3-4 Subtitle (PAL mode)

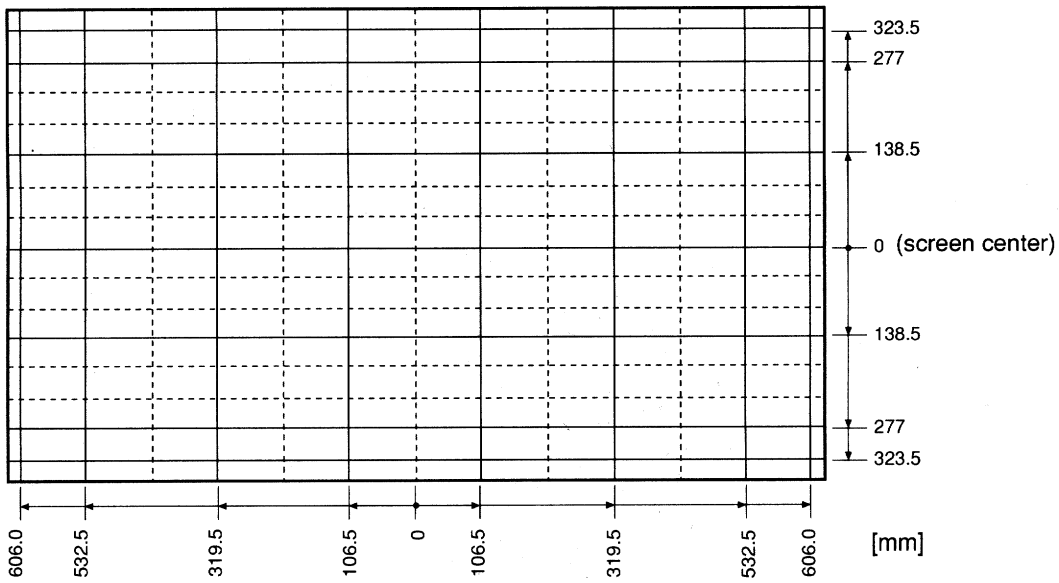
Note: The cursor will move outside the screen limits in the Subtitle mode; therefore, be careful to consider the position of the cursor displayed on the screen when making adjustments.

Note: Please be aware that the Subtitle screen convergence pattern center is located at the center of the screen but the image center is located approximately 13mm above that.

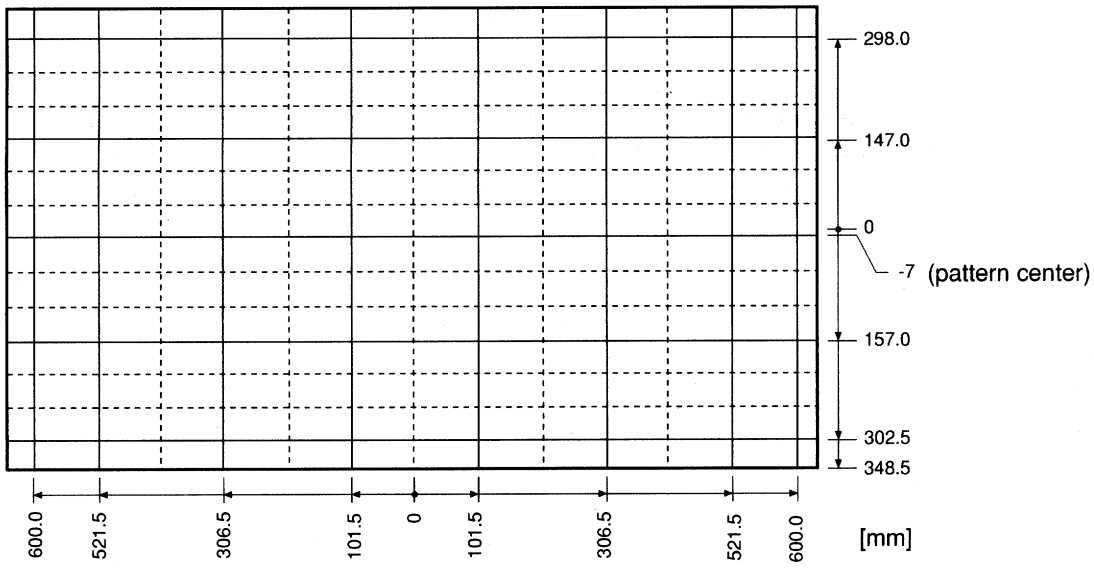


Screen limit changed

3-5 WIDE/4:3 (NTSC mode)



3-6 Super Live (NTSC mode)

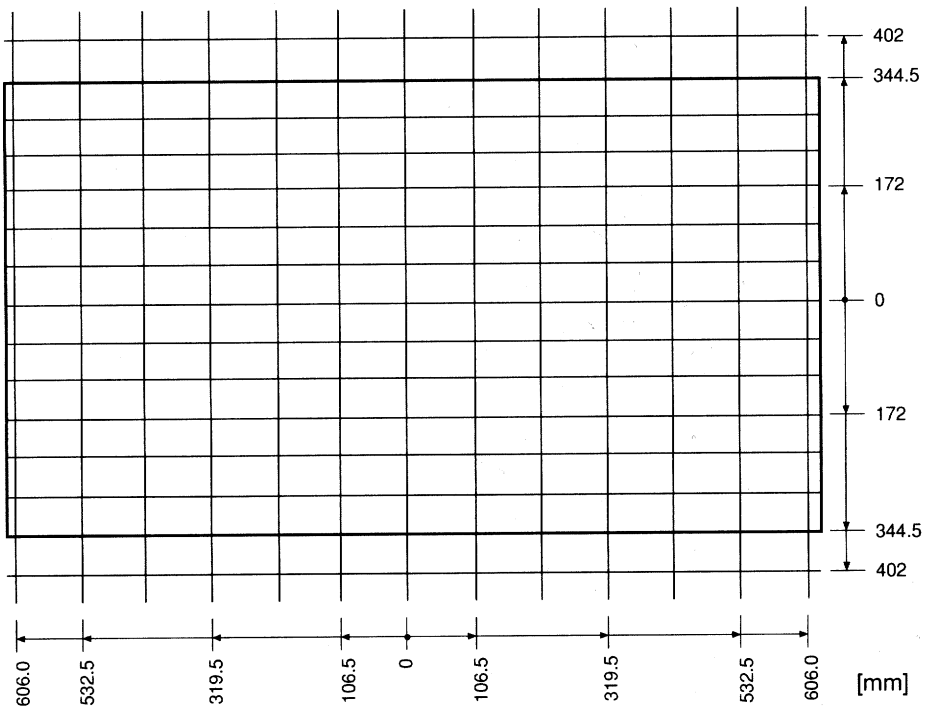


Caution: Do not perform the VLIN adjustment.

3-7 Cinema (NTSC mode)

Note: The cursor will move outside the screen limits in the Cinema mode; therefore, be careful to consider the position of the cursor displayed on the screen when making adjustments.

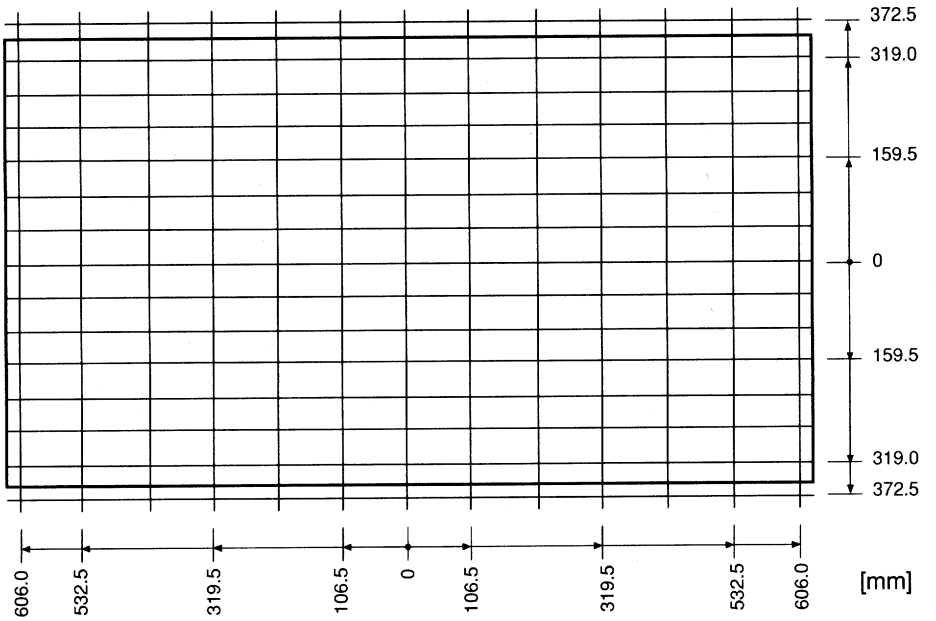
Note: Please be aware that the Cinema screen convergence pattern center is located at the center of the screen but the image center is located approximately 13mm above that.



3-8 Subtitle (NTSC mode)

Note: The cursor will move outside the screen limits in the Subtitle mode; therefore, be careful to consider the position of the cursor displayed on the screen when making adjustments.

Note: Please be aware that the Subtitle screen convergence pattern center is located at the center of the screen but the image center is located approximately 32mm above that.



SCHEMATIC DIAGRAM

MODEL : 40WH08B / 40WH08G

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL.

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on the MANUAL for this model. Do not degrade the safety of the receiver through improper servicing.

NOTE:

1. RESISTOR Resistance is shown in ohm [K = 1.000, M = 1.000.000]. All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
   1/2R = Metal or Metal oxide of 1/2 watt 1/2S = Carbon compsistion of 1/2 watt
   1RF = Fuse resistor of 1 watt 10W = Cement of 10 watt
   K = ±10% G = ±2% F = ±1%
2. CAPACITOR Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in μF, and the values more than 1 in pF.
   All capacitors are ceramic 50V, unless otherwise noted as the following marks.
   Electolytic capacitor Mylar capacitor
3. The parts indicated with " ⚠ " have special characteristics, and should be replaced with identical parts only.
4. Voltages read with DIGITAL MULTI-METER from point indicated to chassing ground, using a color bar signal with all controls at normal, line voltage 220 volts.
5. Waveforms are taken receiving color bar signal with enough sensitivity.
6. Voltage reading shown are nominal values and may vary ±20% except H.V.

SCHEMATIC DIAGRAM MODEL : 40WH08B / 40WH08G

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL.

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on the MANUAL for this model. Do not degrade the safety of the receiver through improper servicing.

NOTE:

1. RESISTOR Resistance is shown in ohm [K = 1.000, M = 1.000.000]. All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
   1/2R = Metal or Metal oxide of 1/2 watt 1/2S = Carbon compsistion of 1/2 watt
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   K = ±10% G = ±2% F = ±1%
2. CAPACITOR Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in μF, and the values more than 1 in pF.
   All capacitors are ceramic 50V, unless otherwise noted as the following marks.
   —||— Electolytic capacitor —|(— Mylar capacitor
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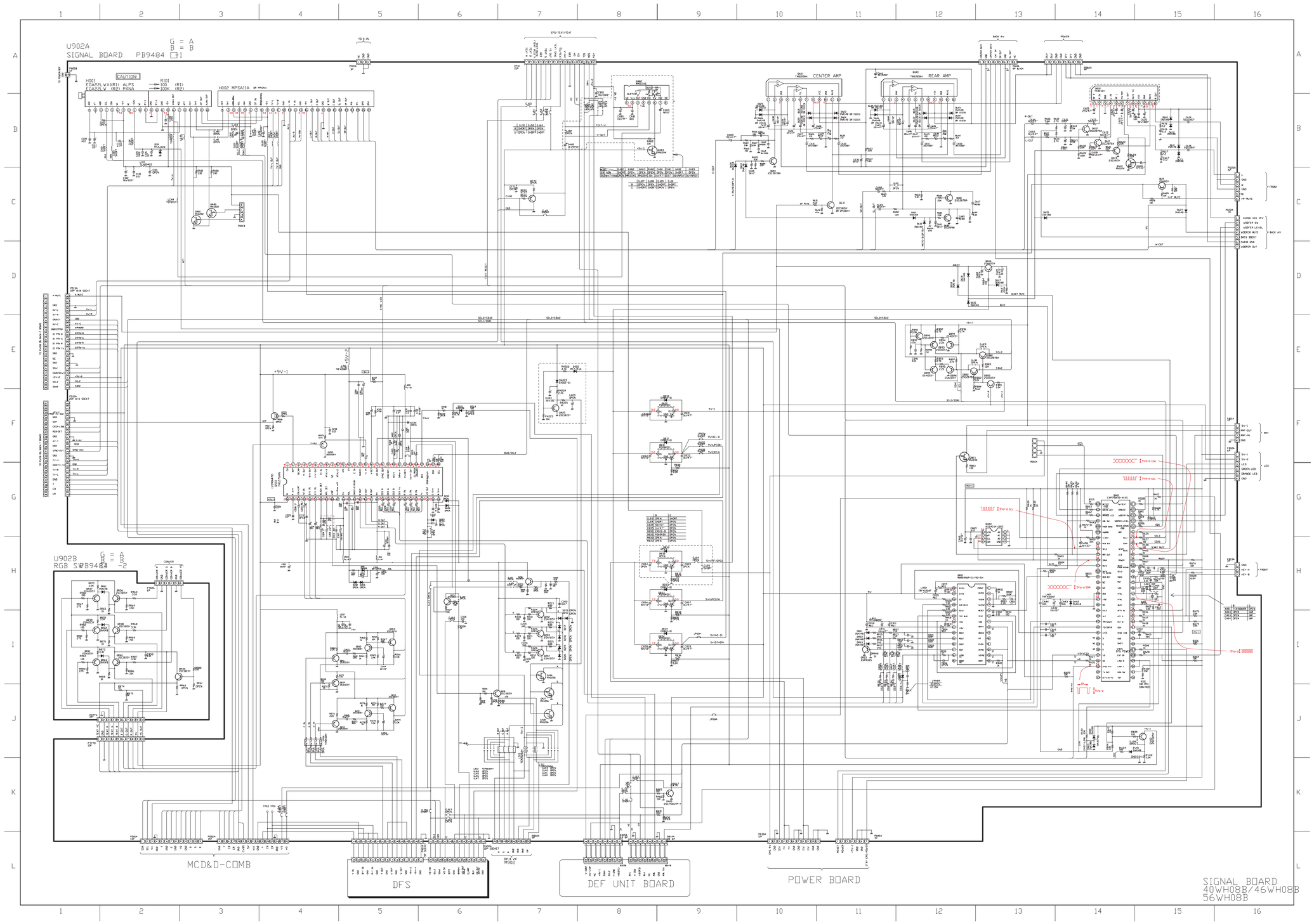
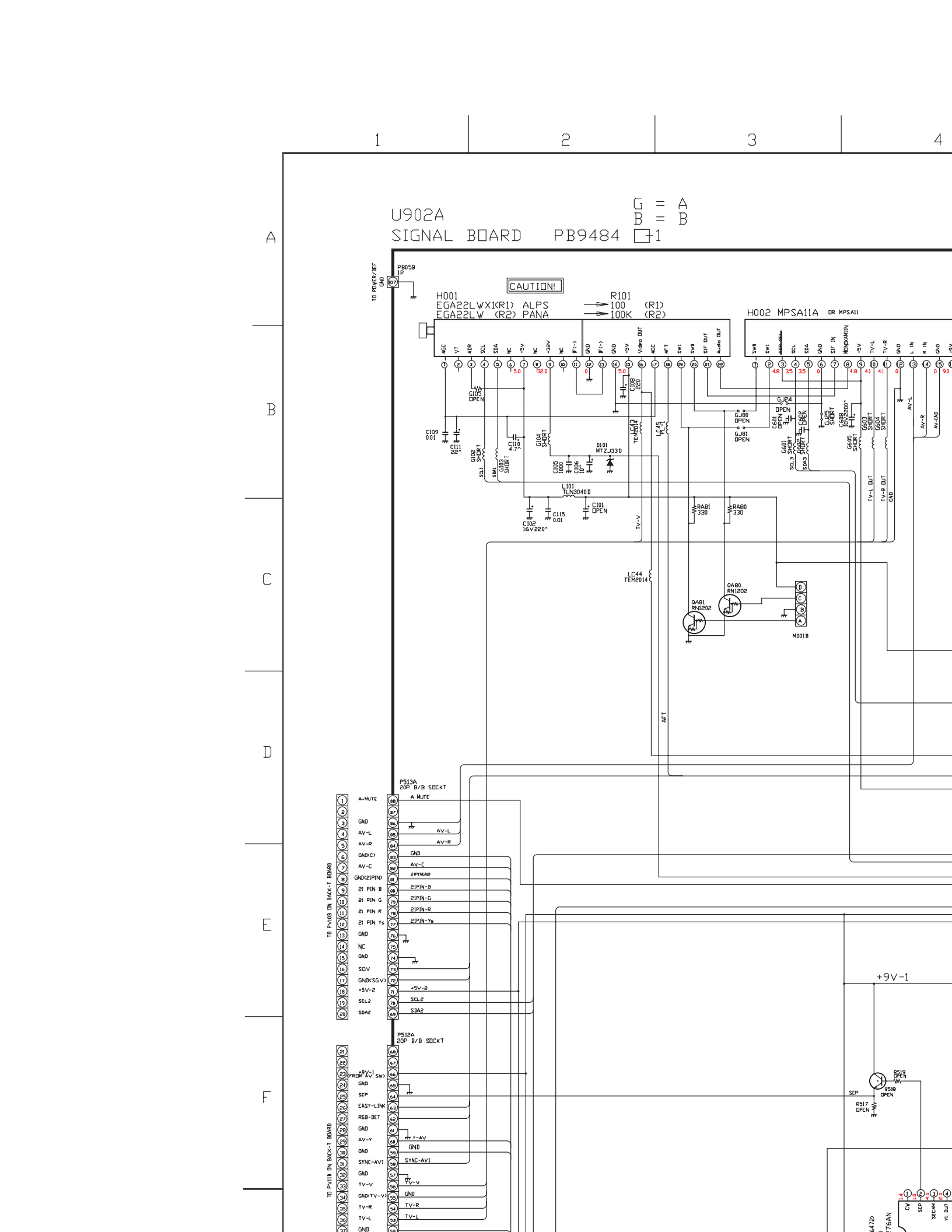
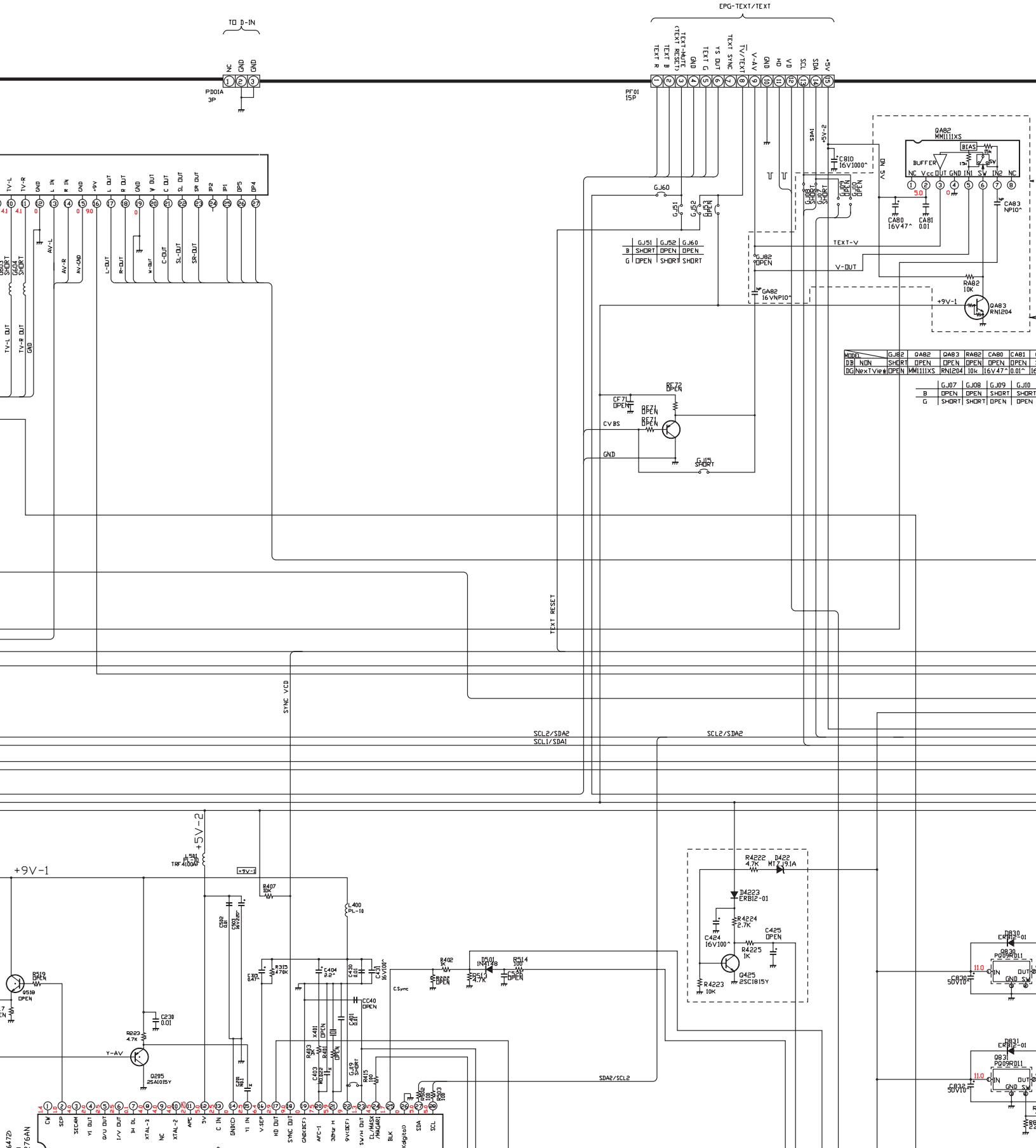
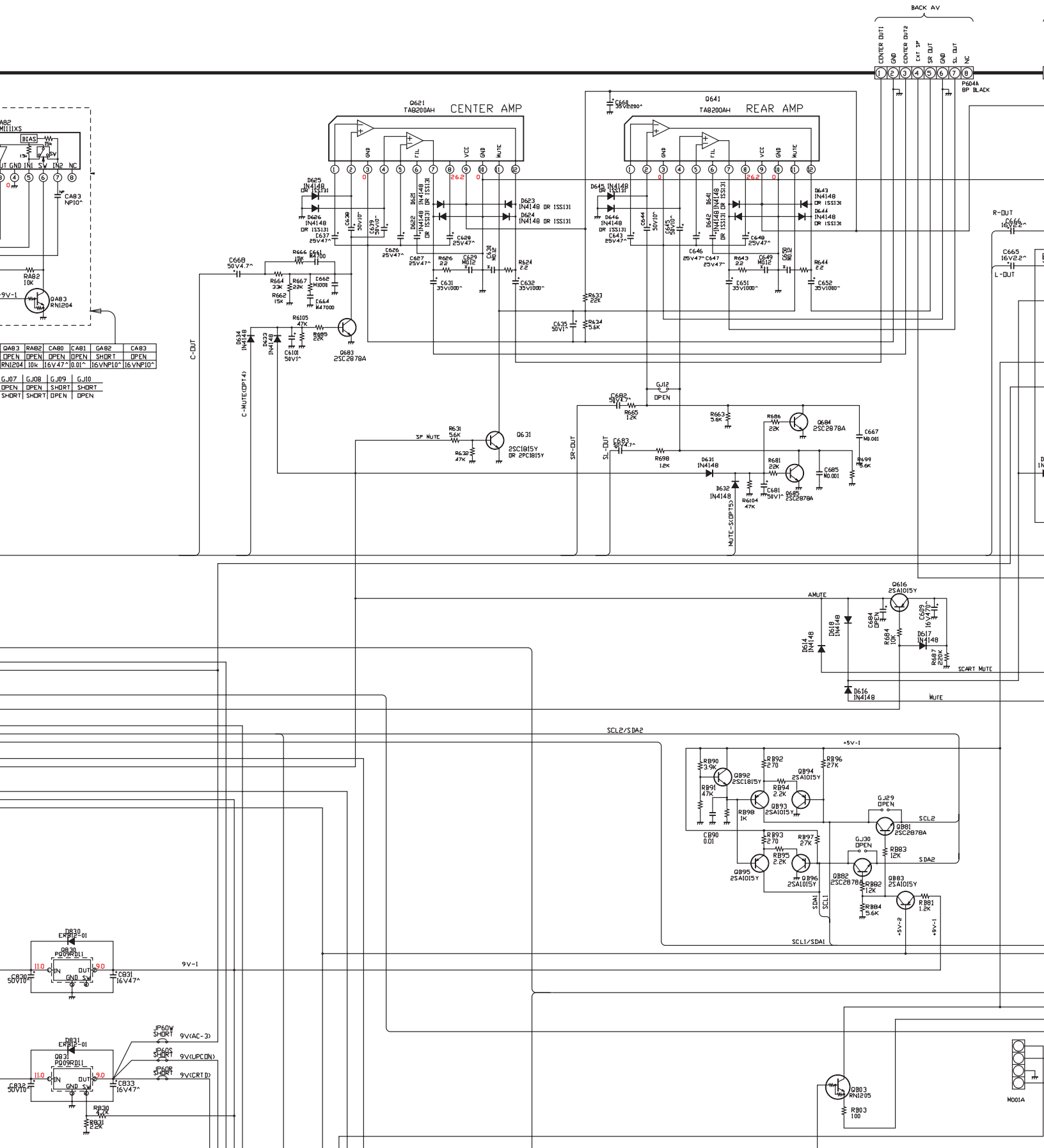
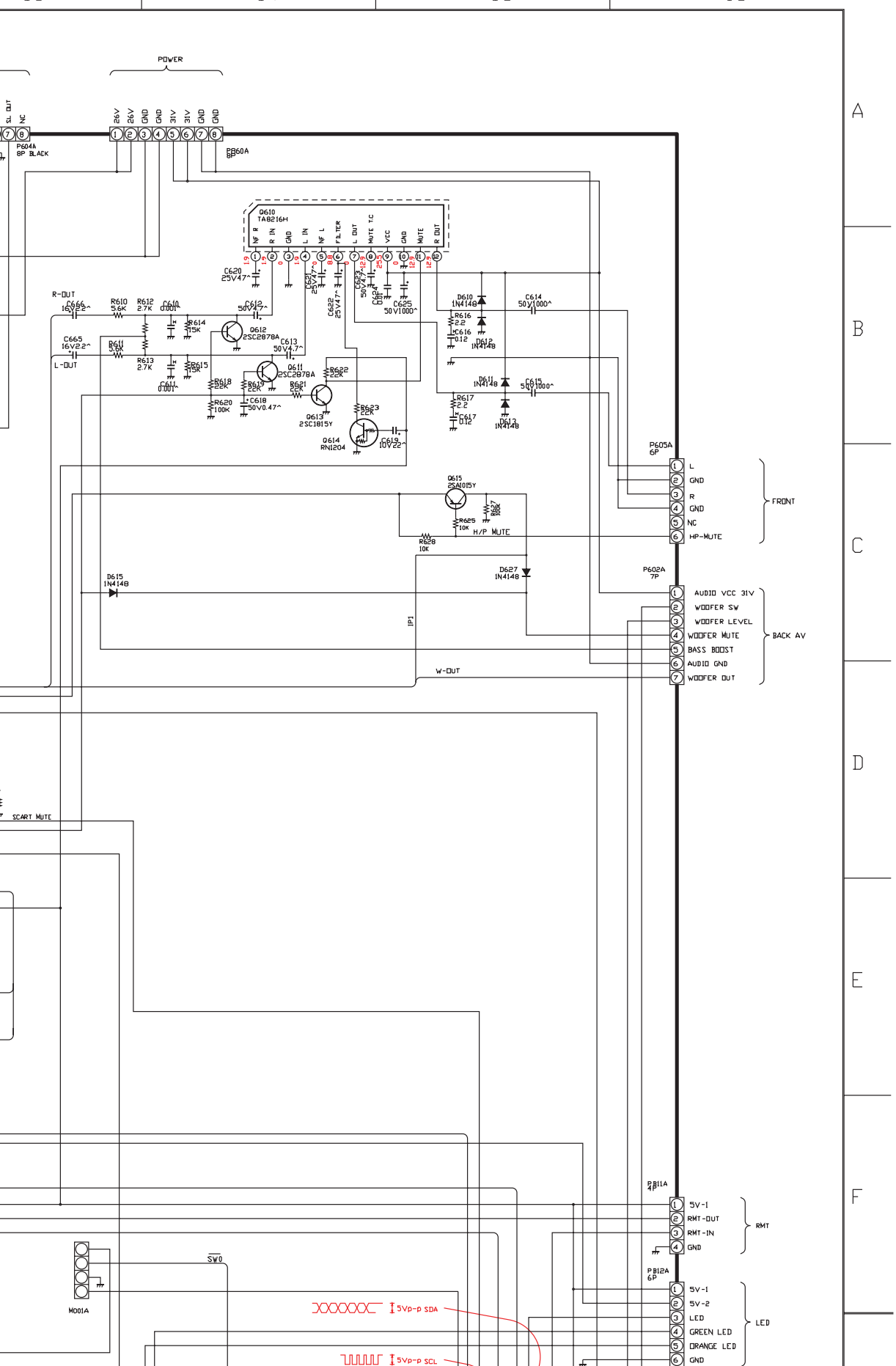
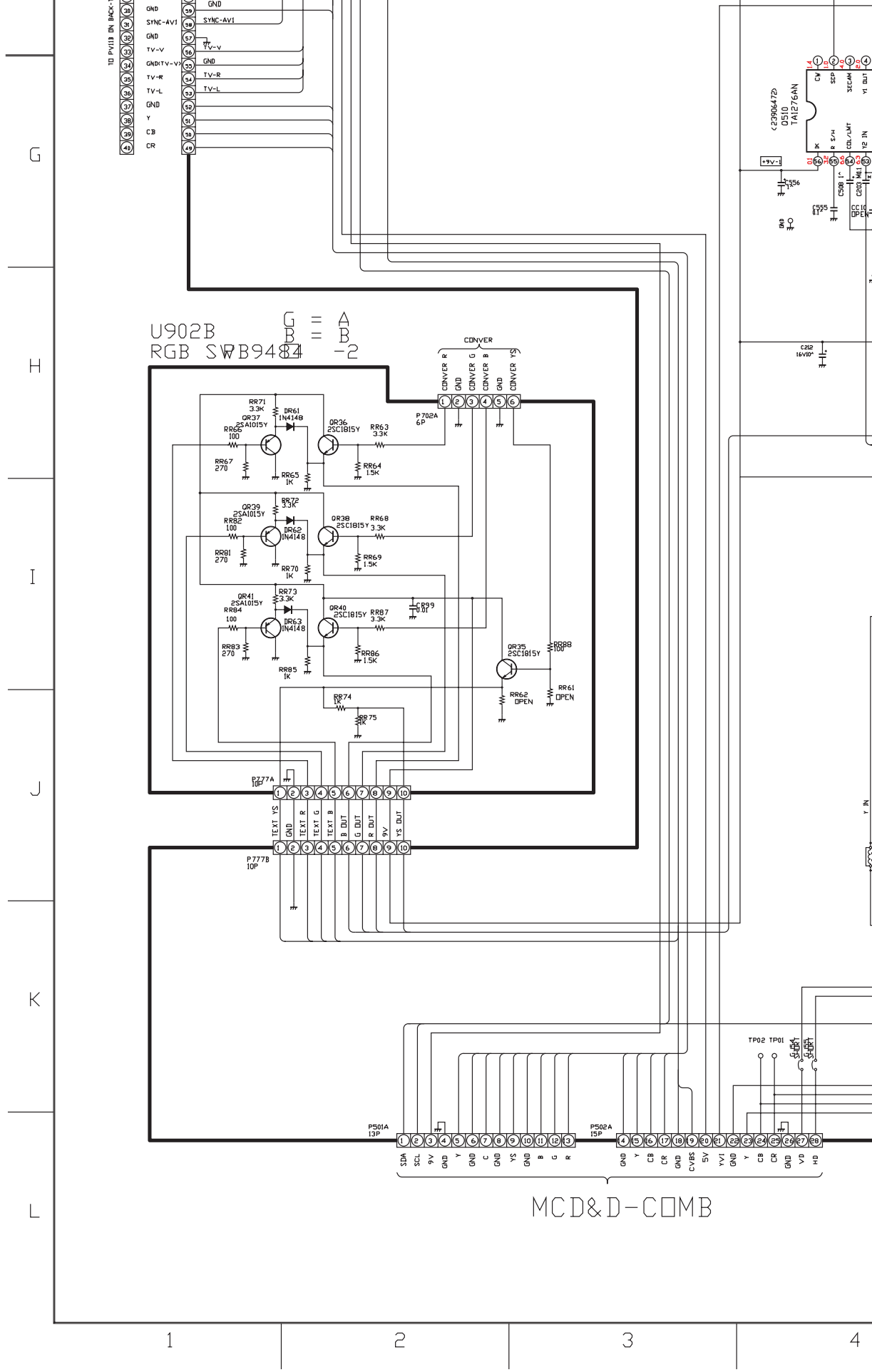


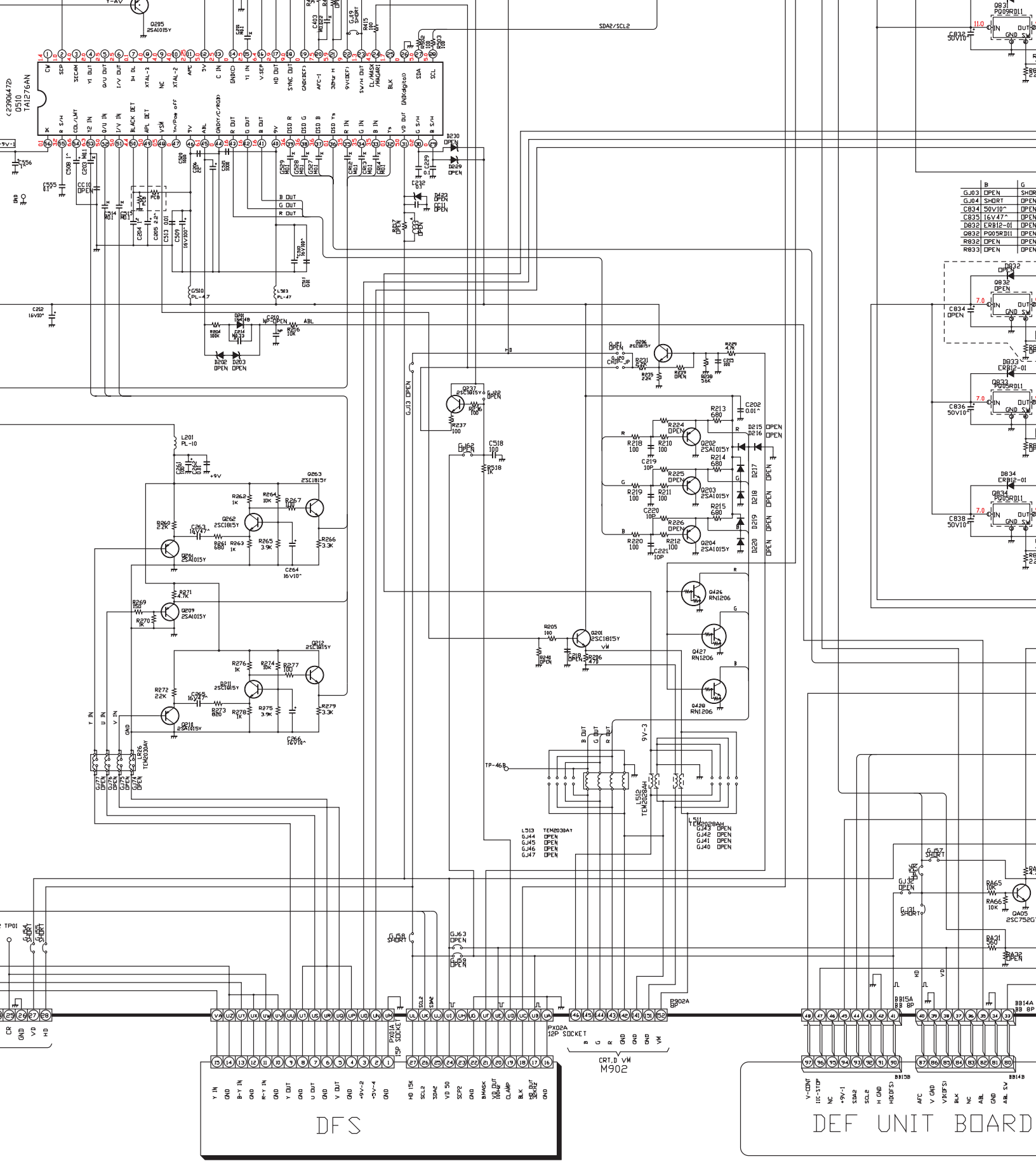

U902A
SIGNAL BOARD PB9484 -1
G = A
B = B
CAUTION!
H001
EGA22LWX1(R1) ALPS
EGA22LW (R2) PANA
R101
100 (R1)
100K (R2)
H002 MPSA11A DR MPSA11
P805B
TO POWER/REF
P513A
20P B/B SOCKT
TO PV10B DN BACK-T BOARD
P512A
20P B/B SOCKT
TO PV11B DN BACK-T BOARD
+9V-1
SCP
AFT
TV-V
AV-L
AV-R
TV-L OUT
TV-R OUT
M001B


TO D-IN
P001A
3P
NC
GND
GND
EPG-TEXT/TEXT
PF01
15P
TEXT R
TEXT B
TEXT RESET
GND
TEXT G
TEXT SYNC
TV/TEXT
V-AV
GND
H
V
SCL
SDA
+5V
+5V-2
C810
16V1000^
QA82
MM1111XS
BIAS
BUFFER
NC Vcc OUT GND IN1 SW IN2 NC
CA80
16V47^
CA81
0.01
CA83
NP10^
GJ51 GJ52 GJ60
B SHORT OPEN OPEN
G OPEN SHORT SHORT
GJ82
OPEN
TEXT-V
V-OUT
GA82
16VNP10^
RA82
10K
+9V-1
QA83
RN1204
MODEL GJ82 QA82 QA83 RA82 CA80 CA81
DB NON SHORT OPEN OPEN OPEN OPEN OPEN
DG NextView OPEN MM1111XS RN1204 10k 16V47^ 0.01^
GJ07 GJ08 GJ09 GJ10
B OPEN OPEN SHORT SHORT
G SHORT SHORT OPEN OPEN
TV-L
TV-R
GND
L IN
R IN
GND
+9V
L OUT
R OUT
GND
V OUT
C OUT
SL OUT
SR OUT
IP2
IP1
DP5
DP4
AV-L
AV-R
AV-GND
L-OUT
R-OUT
V-OUT
C-OUT
SL-OUT
SR-OUT
TV-L OUT
TV-R OUT
GND
GA03 SHORT
GA04 SHORT
RF72 OPEN
CF71 OPEN
RF71 OPEN
RF71 OPEN
CVBS
GND
GJ15 SHORT
TEXT RESET
SYNC VCD
SCL2/SDA2
SCL1/SDA1
SCL2/SDA2
+5V-2
+9V-1
L501
TRF-4100AF
+9V-1
R407 10K
L400 PL-10
CN02 GB
CN03 GB
R313 4.70K
C404 0.47
C430 0.01
C431 16V100^
C230 0.01
R223 4.7K
Y-AV
Q205 2SA1015Y
R519 OPEN
Q519 OPEN
R402 1K
R522 OPEN
D501 1N4148
R514 4.7K
C39 OPEN
CSync
CC40 OPEN
X401 OPEN
C401 0.01
R403 1K
R401 OPEN
C403 MD1.2
CER 1N1
GJ49 SHORT
R415 1K
SDA2/SCL2
R4222 4.7K
D422 MTZJ9.1A
D4223 ERB12-01
R4224 2.7K
C424 16V100^
C425 OPEN
R4225 1K
Q425 2SC1815Y
R4223 10K
D830 ERB12-01
Q830 PQ09RD11
C830 50V10^
D831 ERB12-01
Q831 PQ09RD11
C832 50V10^
CW
SEP
SECAM
Y1 OUT
G/U OUT
I/V OUT
M BL
XTAL-3
NC
XTAL-2
APC
5V
C IN
BAR(C)
Y1 IN
V-SEP
H-D OUT
SYNC OUT
GND(DEF)
AFC-1
3.8MHz H
9V(DEF)
SVM OUT
CL/MASK
/MAGAR1
BLK
SDA
SCL

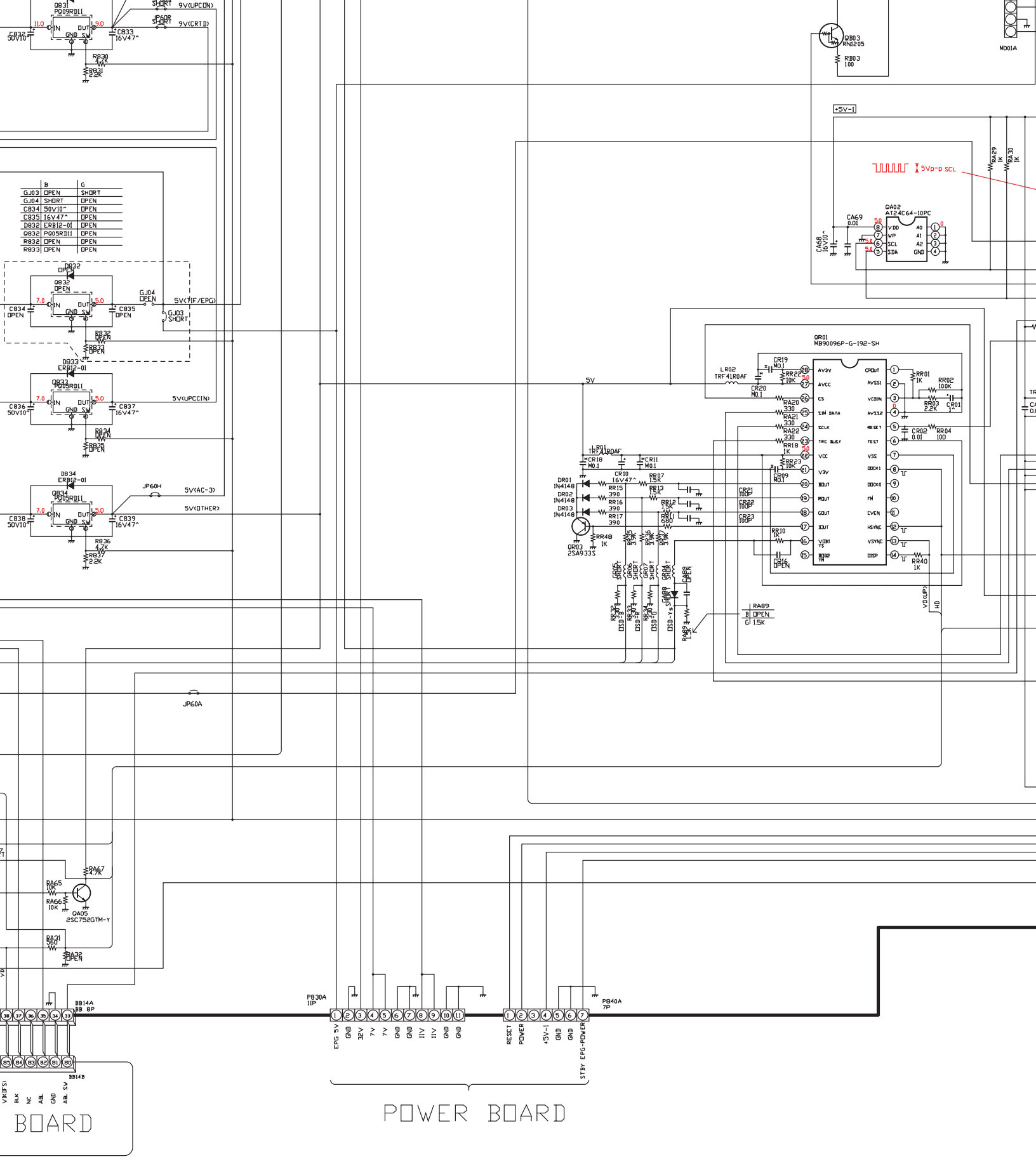

9
10
11
12
13
BACK AV
CENTER OUT1
GND
CENTER OUT2
EXT SP
SR OUT
GND
SL OUT
NC
P604A
6P BLACK
Q621
TA8200AH
CENTER AMP
Q641
TA8200AH
REAR AMP
GND
FIL
VCC
GND
MUTE
R-OUT
L-OUT
C-OUT
C-MUTE(OPT14)
SR-OUT
SL-OUT
MUTE-SC(OPT15)
SP MUTE
Q631
2SC1815Y
Q683
2SC2878A
Q684
2SC2878A
Q685
2SC2878A
Q616
2SA1015Y
AMUTE
SCART MUTE
MUTE
SCL2/SDA2
SCL1/SDA1
SCL2
SDA2
SDA1
SCL1
Q892
2SC1815Y
Q893
2SA1015Y
Q894
2SA1015Y
Q895
2SA1015Y
Q896
2SA1015Y
Q881
2SC2878A
Q882
2SC2878A
Q883
2SA1015Y
Q803
RN1205
MOD1A
D830
ER812-01
Q830
PQ09RD11
D831
ER812-01
Q831
PQ09RD11
9V-1
9V(AC-3)
9V(UPCON)
9V(CRTD)
+5V-1
+5V-2
+9V-1
BIAS
Q883
RN1204
QA83 QA82 QA80 QA81 QA82 QA83
OPEN OPEN OPEN OPEN SHORT OPEN
RN1204 10k 16V47^ 0.01^ 16VNP10^ 16VNP10^
GJ07 GJ08 GJ09 GJ10
OPEN OPEN SHORT SHORT
SHORT SHORT OPEN OPEN


13
14
15
16
A
B
C
D
E
F
POWER
P604A
8P BLACK
P860A
8P
26V
26V
GND
GND
31V
31V
GND
GND
Q610
TA8216H
NF R
R IN
GND
L IN
NF L
FILTER
L OUT
MUTE T.C
VCC
GND
MUTE
R OUT
R-OUT
L-OUT
C620
25V47^
C621
25V47^
C622
25V47^
C623
50V47^
C624
0.01^
C625
50V1000^
C626
16V2.2^
R610
5.6K
R612
2.7K
C610
0.001^
R614
15K
C612
50V47^
Q612
2SC2878A
C613
50V4.7^
C665
16V2.2^
R611
5.6K
R613
2.7K
C611
0.001^
R615
15K
R618
22K
R619
22K
C618
50V0.47^
R620
100K
Q611
2SC2878A
R622
22K
R621
22K
Q613
2SC1815Y
R623
22K
Q614
RN1204
C619
10V22^
D610
1N4148
R616
2.2
C616
0.12
D612
1N4148
C614
50V1000^
D611
1N4148
R617
2.2
C617
0.12
D613
1N4148
C615
50V1000^
P605A
6P
L
GND
R
GND
NC
HP-MUTE
FRONT
Q615
2SA1015Y
R627
680
R625
10K
H/P MUTE
R628
10K
D627
1N4148
D615
1N4148
P602A
7P
AUDIO VCC 31V
WOOFER SW
WOOFER LEVEL
WOOFER MUTE
BASS BOOST
AUDIO GND
WOOFER OUT
BACK AV
JP1
W-OUT
SCART MUTE
P811A
4P
5V-1
RMT-OUT
RMT-IN
GND
RMT
P812A
6P
5V-1
5V-2
LED
GREEN LED
ORANGE LED
GND
LED
M001A
SW0
5Vp-p SDA
5Vp-p SCL

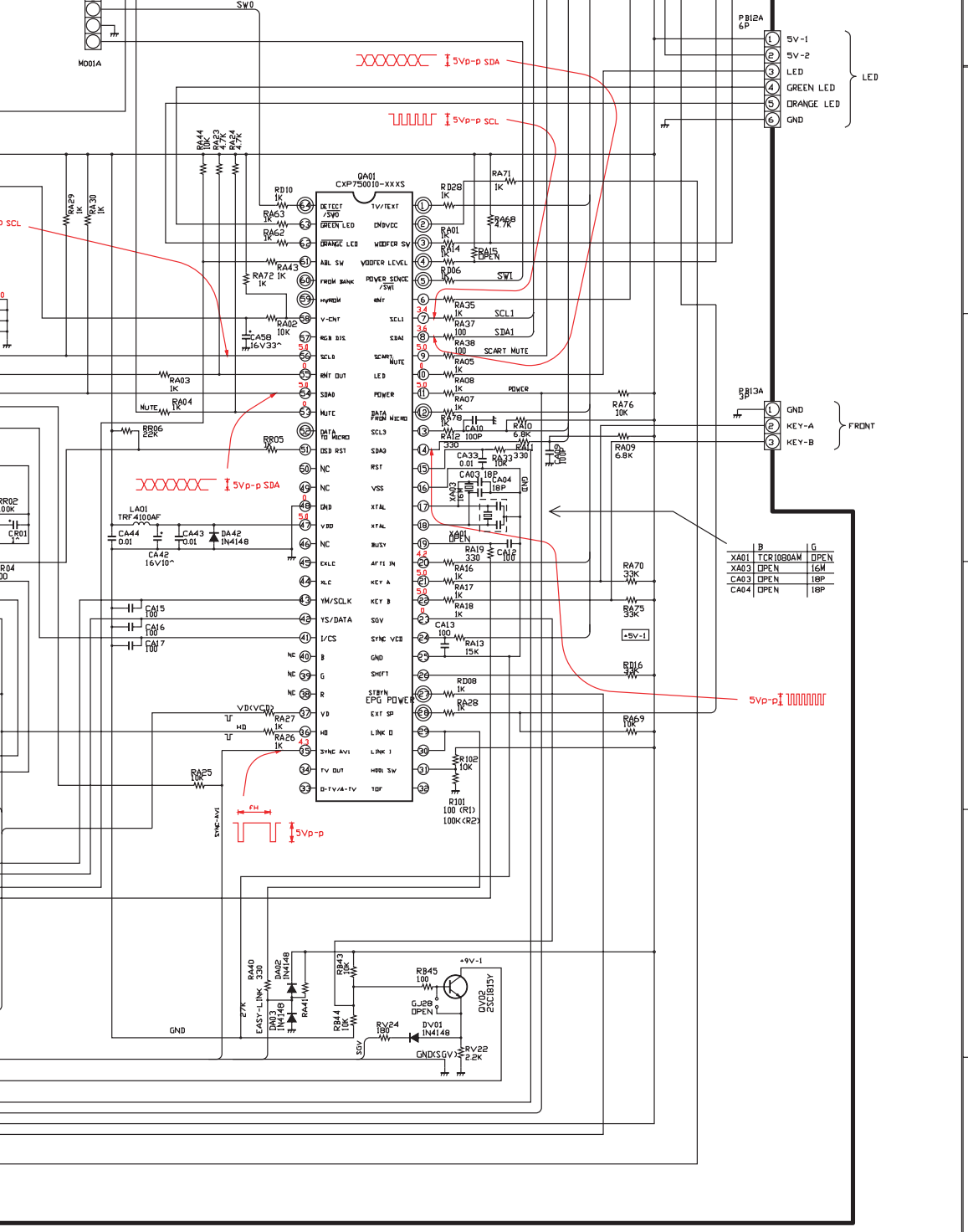

U902B
RGB SWB9484
G = A
B = B
-2
CONVER
P702A
6P
P777A
10P
P777B
10P
P501A
13P
P502A
15P
MCD&D-COMB


DFS
DEF UNIT BOARD
CRT,D VM
M902
PX02A
12P SOCKET
PW01A
15P SOCKET
BB15A
BB 8P
BB14A
BB 8P
BB15B
BB14B
TA1276AN
TEM2030AY
TEM2028AH
TCM2030AY
Y IN
U IN
V IN
GND
B OUT
G OUT
R OUT
9V-3
HD
VD
SDA2/SCL2
V-CONT
IIC-STOP
NC
+9V-1
SDA2
SCL2
H GND
HDDFS
AFC
V GND
VRDFS
BLK
NC
ABL
GND
ABL SW

4		5		6		7	8


Q831 PQ09RD11
C832 50V10^
C833 16V47^
R830 4.7K
R831 2.2K
JP60R SHORT
9V(UPCON)
9V(CRTD)
B G
GJ03 OPEN SHORT
GJ04 SHORT OPEN
C834 50V10^ OPEN
C835 16V47^ OPEN
D832 ERB12-01 OPEN
Q832 PQ05RD11 OPEN
R832 OPEN OPEN
R833 OPEN OPEN
D832 OPEN
Q832 OPEN
GJ04 OPEN
5V(TIF/EPG)
GJ03 SHORT
C834 OPEN
C835 OPEN
R832 OPEN
R833 OPEN
D833 ERB12-01
Q833 PQ05RD11
5V(UPCCIN)
C836 50V10
C837 16V47^
R834 OPEN
R835 OPEN
D834 ERB12-01
Q834 PQ05RD11
JP60H
5V(AC-3)
5V(OTHER)
C838 50V10
C839 16V47^
R836 4.7K
R837 2.2K
JP60A
Q803 RNI205
RB03 100
MD01A
+5V-1
5Vp-p SCL
RA29 1K
RA30 1K
QA02 AT24C64-10PC
CA69 0.01
CA68 16V10^
A0 A1 A2 GND
VDD WP SCL SDA
QR01 MB90096P-G-192-SH
LR02 TRF41R0AF
CR19 M0.1
CR20 M0.1
RR22 10K
RA20 330
RA21 330
RA22 330
RR18 1K
RR23 10K
CR09 M0.1
CR10 16V47^
CR11 M0.1
CR18 M0.1
RR07 15K
RR12 15K
RR13 15K
CR21 100P
CR22 100P
CR23 100P
RR10 1K
CR16 OPEN
RR40 1K
RR01 1K
RR02 100K
RR03 2.2K
CR01 1^
CR02 0.01
RR04 100
AV3V AVCC CS XIN DATA SCLK TRC BUSY VCC V3V RDOUT GDOUT BDOUT VDD1 VSS1
CPOUT AVSS1 VCOMN AVSS2 RESET TEST VSS CCOCK1 CCOCK2 FH EVEN HSYNC VSYNC DISP
DR01 IN4148
DR02 IN4148
DR03 IN4148
RR15 390
RR16 390
RR17 390
RR48 1K
DR03 2SA933S
RR32 330
RR33 330
RR34 330
RR35 3.9K
RR36 3.9K
RR37 3.9K
CR05 SHORT
CR06 SHORT
CR07 SHORT
CR04 SHORT
CA68 OPEN
RA89 1.5K
VD(UP)
HD
RA67 4.7K
RA65 10K
RA66 10K
QA05 2SC752GTM-Y
RA31 560
RA32 OPEN
P830A 11P
P840A 7P
BB14A BB BP
BB14B
EPG 5V
GND
32V
7V
7V
GND
GND
11V
11V
GND
GND
RESET
POWER
+5V-1
GND
GND
STBY EPG-POWER
VD(DFS)
BLK
NC
ADL
GND
ADL 5V
POWER BOARD
BOARD

9	10	11	12	13



SIGNAL BOARD
40WH08B/46WH08B
56WH08B

G H I J K L

13 14 15 16

DEF

U908 POWER
PB9487□

G=A
B=B

LIVE AREA

LIVE AREA

SIGNAL

TO SIGNAL

B:NOT USE
G:USE

AUDIO 26V

AUDIO 31V

11V

+15V

-15V

HVCC

7V

5V-1

32V

EPG 5V

GND

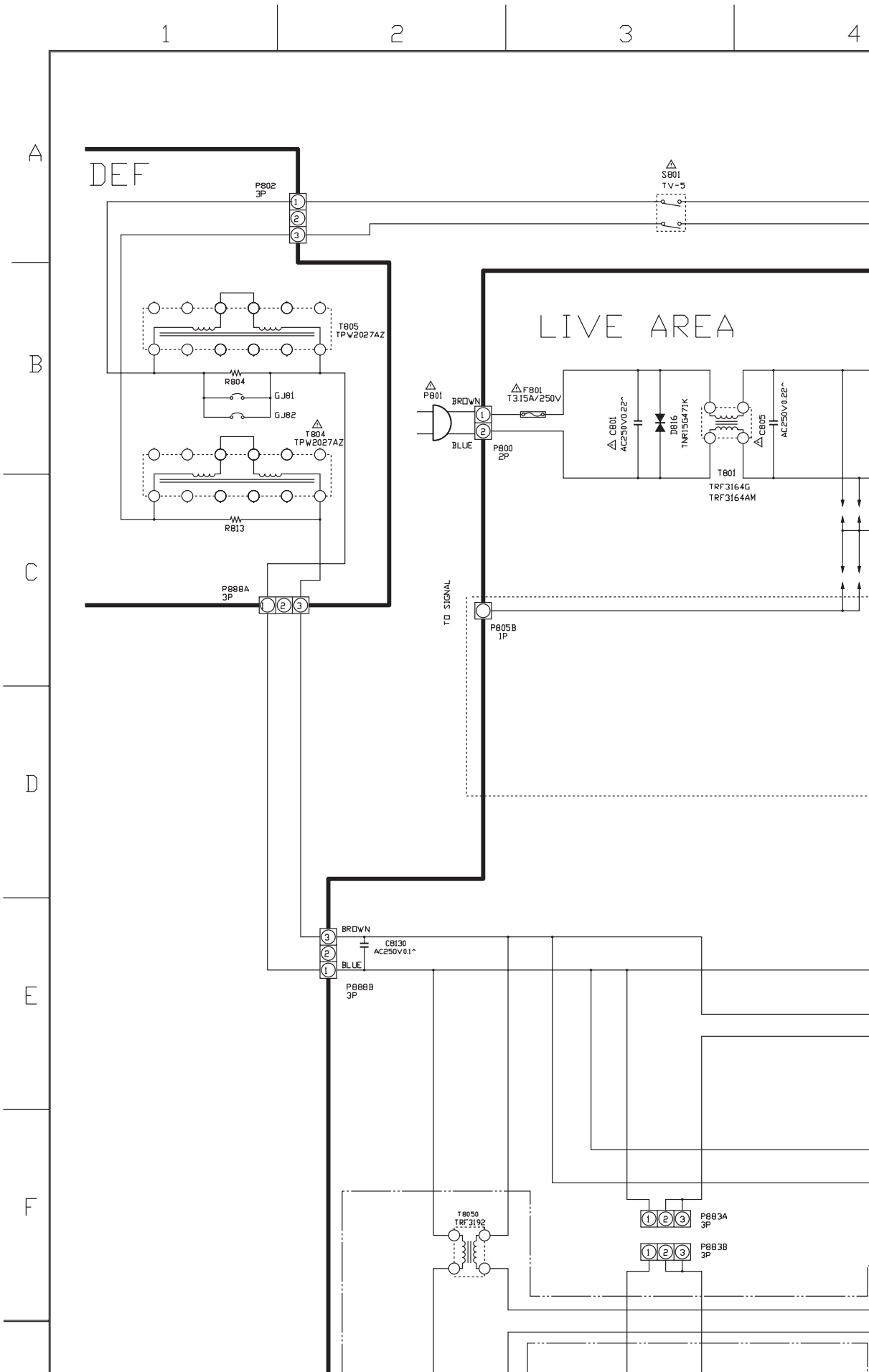
CONVER

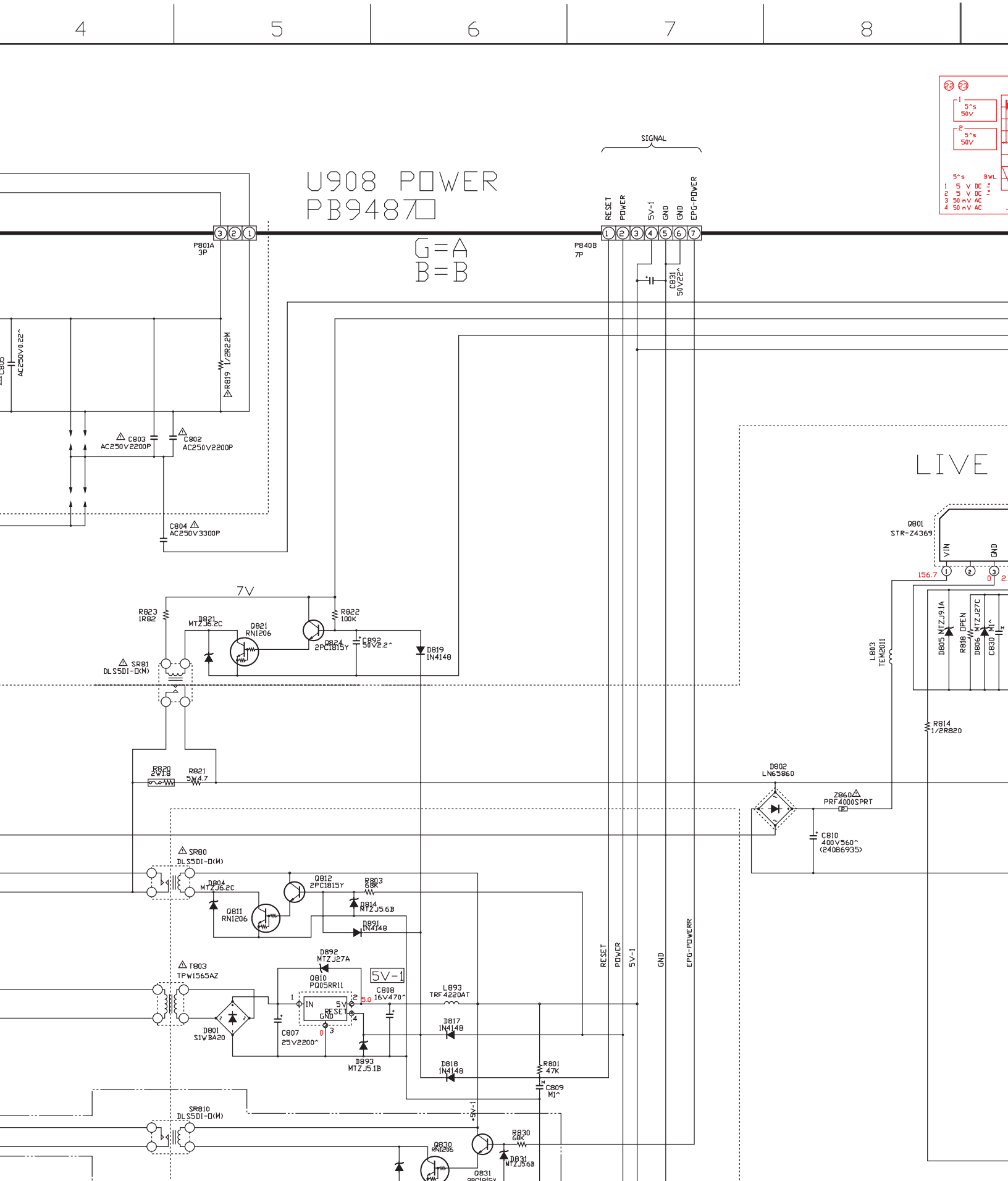
SVM

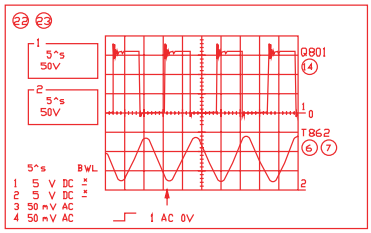
DEF

SIGNAL

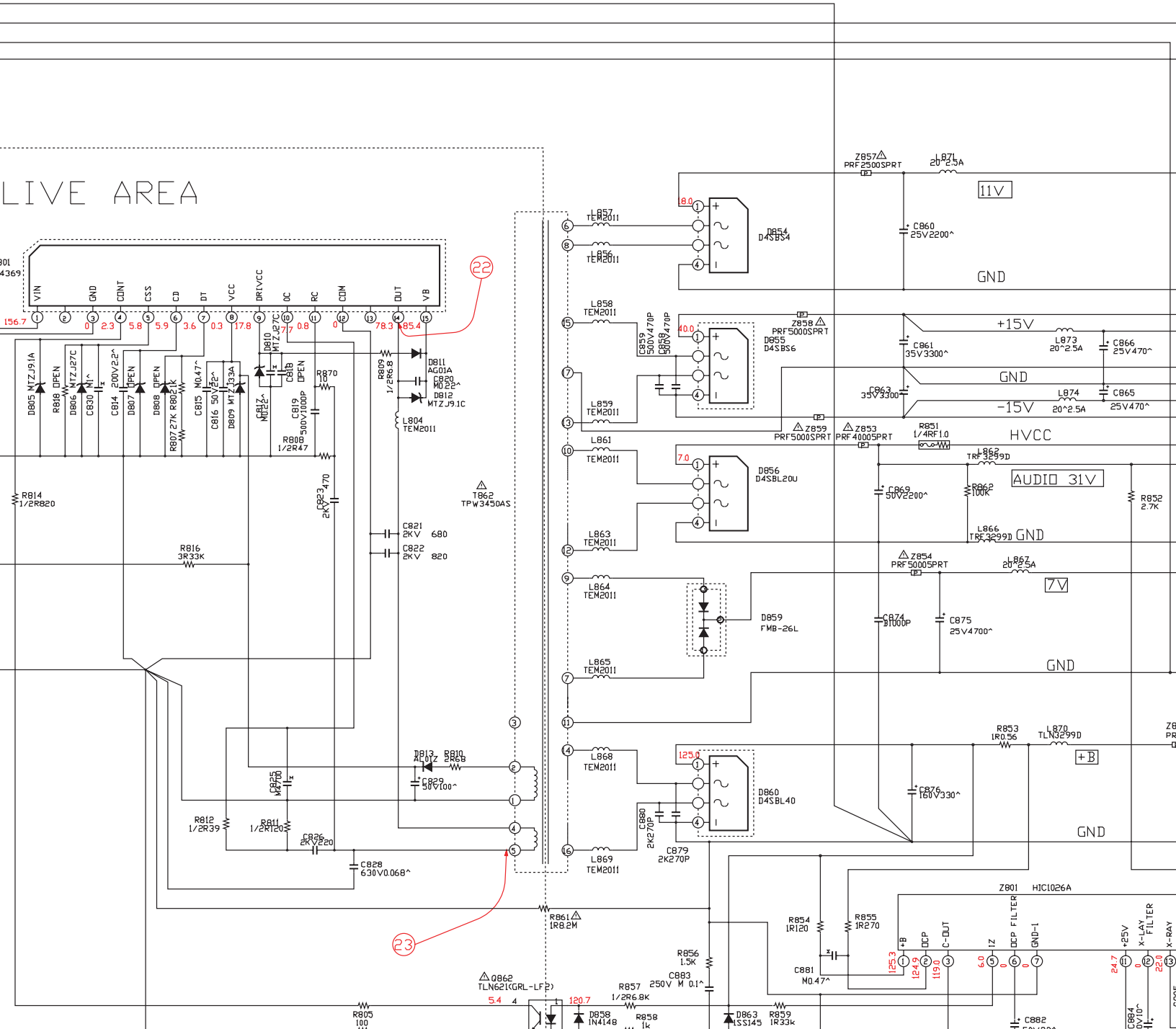
POWER
40WH08B/46WH08B
56WH08B

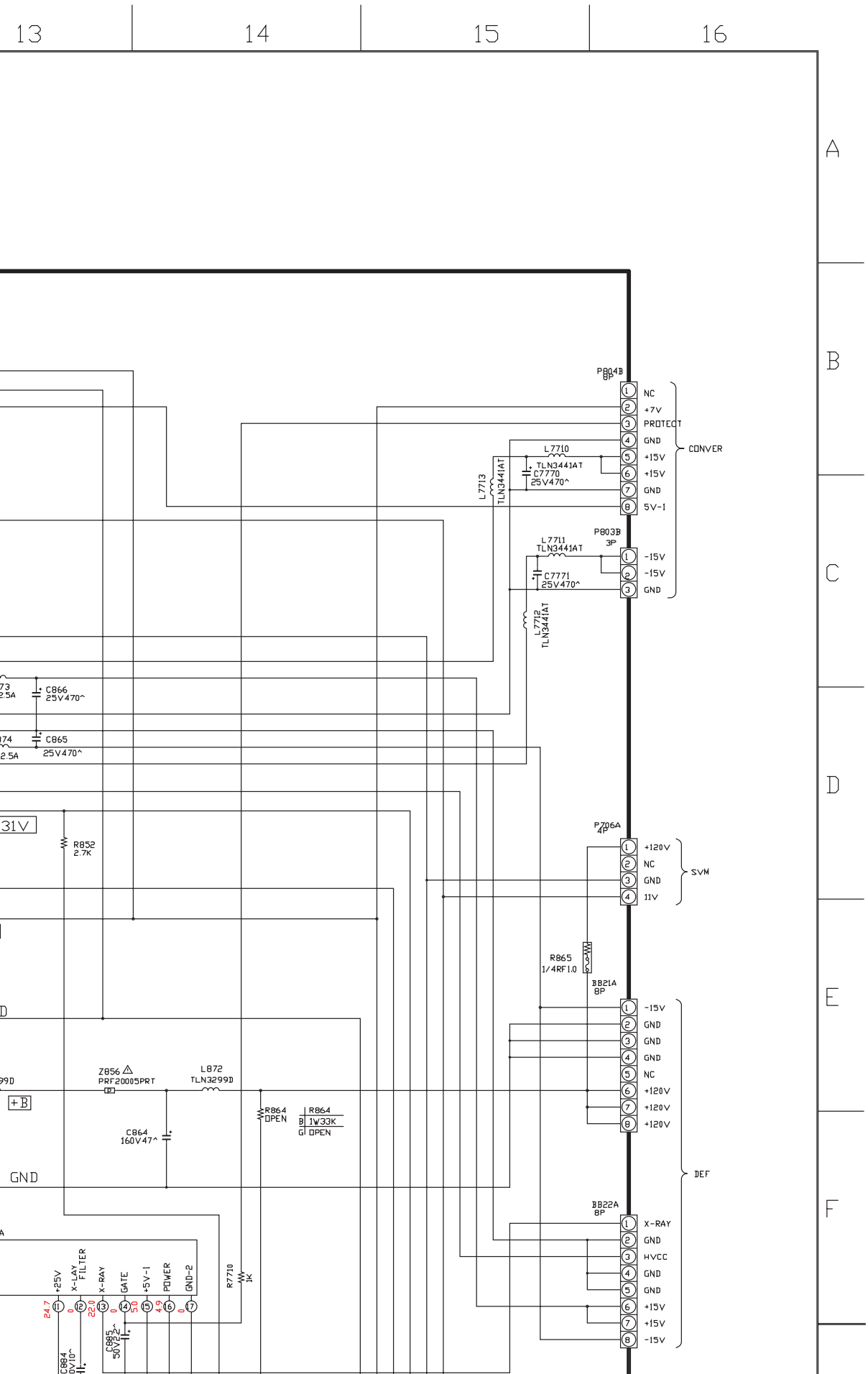

1
2
3
4
A
B
C
D
E
F
DEF
P802
3P
S801
TV-5
T805
TPW2027AZ
R804
GJ81
GJ82
T804
TPW2027AZ
R813
P888A
3P
LIVE AREA
P801
BROWN
BLUE
P800
2P
F801
T3.15A/250V
C801
AC250V0.22^
DB16
TNR15G471K
C805
AC250V0.22^
T801
TRF3164G
TRF3164AM
TO SIGNAL
P805B
1P
BROWN
C8130
AC250V0.1^
BLUE
P888B
3P
T8050
TRF3192
P883A
3P
P883B
3P

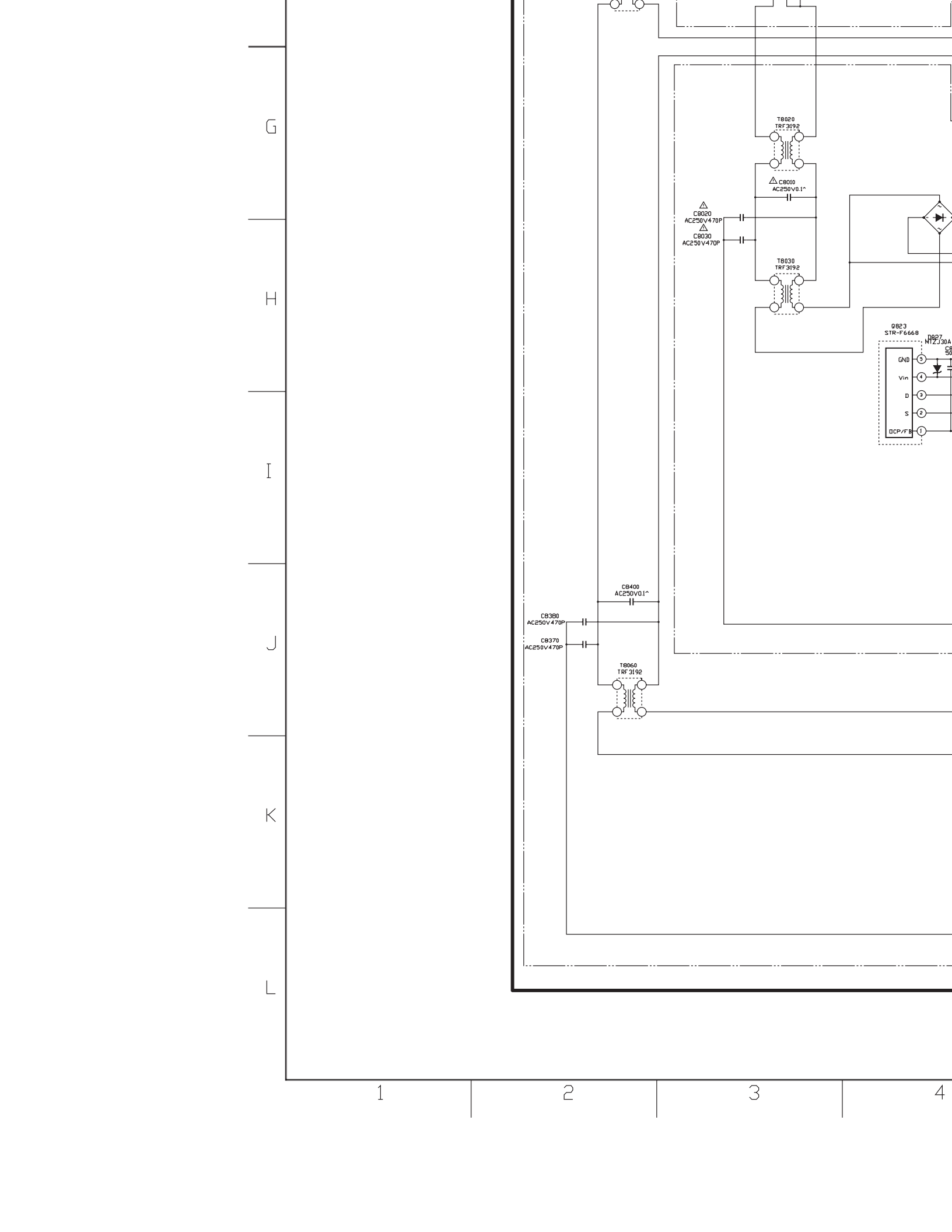

4
5
6
7
8
U908 POWER
PB9487□
G=A
B=B
SIGNAL
RESET
POWER
5V-1
GND
GND
EPG-POWER
P801A
3P
P840B
7P
C831
50V22^
C805
AC250V0.22^
R819 1/2R2.2M
C803
AC250V2200P
C802
AC250V2200P
C804
AC250V3300P
LIVE
Q801
STR-Z4369
VIN
GND
156.7
0
L803
TEM2011
D805 MTZJ9.1A
R818 OPEN
D806 MTZJ27C
C830
R814
1/2R820
7V
R823
1R82
D821
MTZJ6.2C
Q821
RN1206
R822
100K
Q824
2PC1815Y
C832
50V2.2^
D819
1N4148
SR81
DLS5DI-DXM)
R820
2W1R
R821
5W4.7
D802
LN65860
Z860
PRF4000SPRT
C810
400V560^
(24086935)
SR80
DLS5DI-D(M)
D804
MTZJ6.2C
Q811
RN1206
Q812
2PC1815Y
R803
68K
D814
MTZJ5.6B
D891
1N4148
T803
TPW1565AZ
D892
MTZJ27A
Q810
PQ05RR11
5V-1
IN
5V
RESET
GND
5.0
C808
16V470^
L893
TRF4220AT
D801
S1WBA20
C807
25V2200^
0
3
D817
1N4148
D893
MTZJ5.1B
D818
1N4148
R801
47K
C809
M1^
SR810
DLS5DI-D(M)
+5V-1
Q830
RN1206
R830
68K
D831
MTZJ5.6B
Q831
2PC1815Y

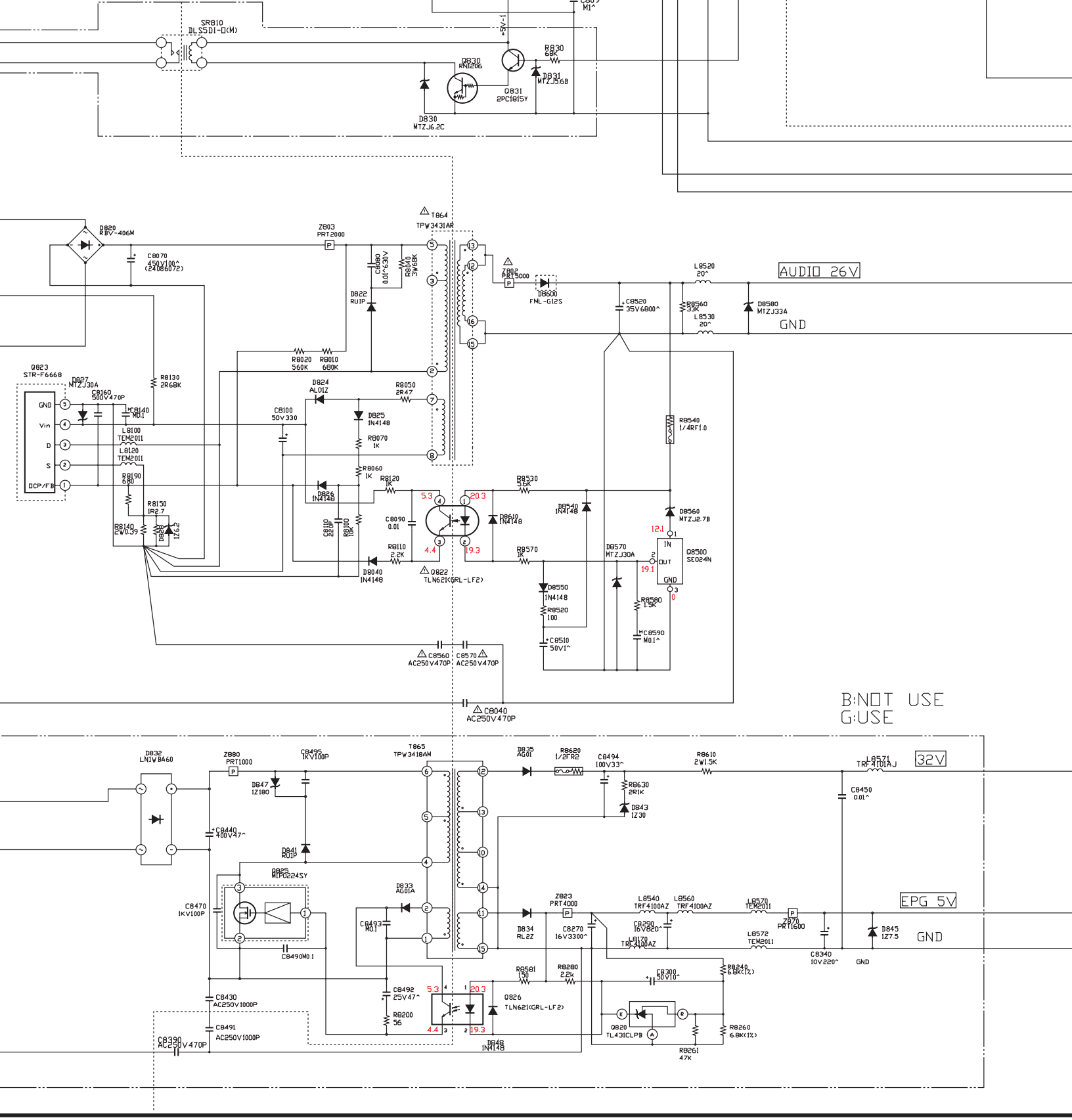

22 23
1
5^s
50V
2
5^s
50V
Q801
14
1
0
T862
6 7
2
5^s BWL
1 5 V DC
2 5 V DC
3 50 mV AC
4 50 mV AC
1 AC 0V

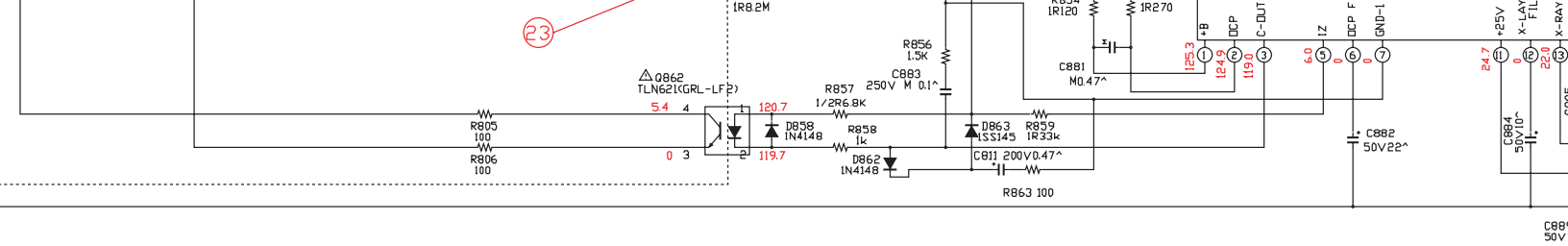
LIVE AREA

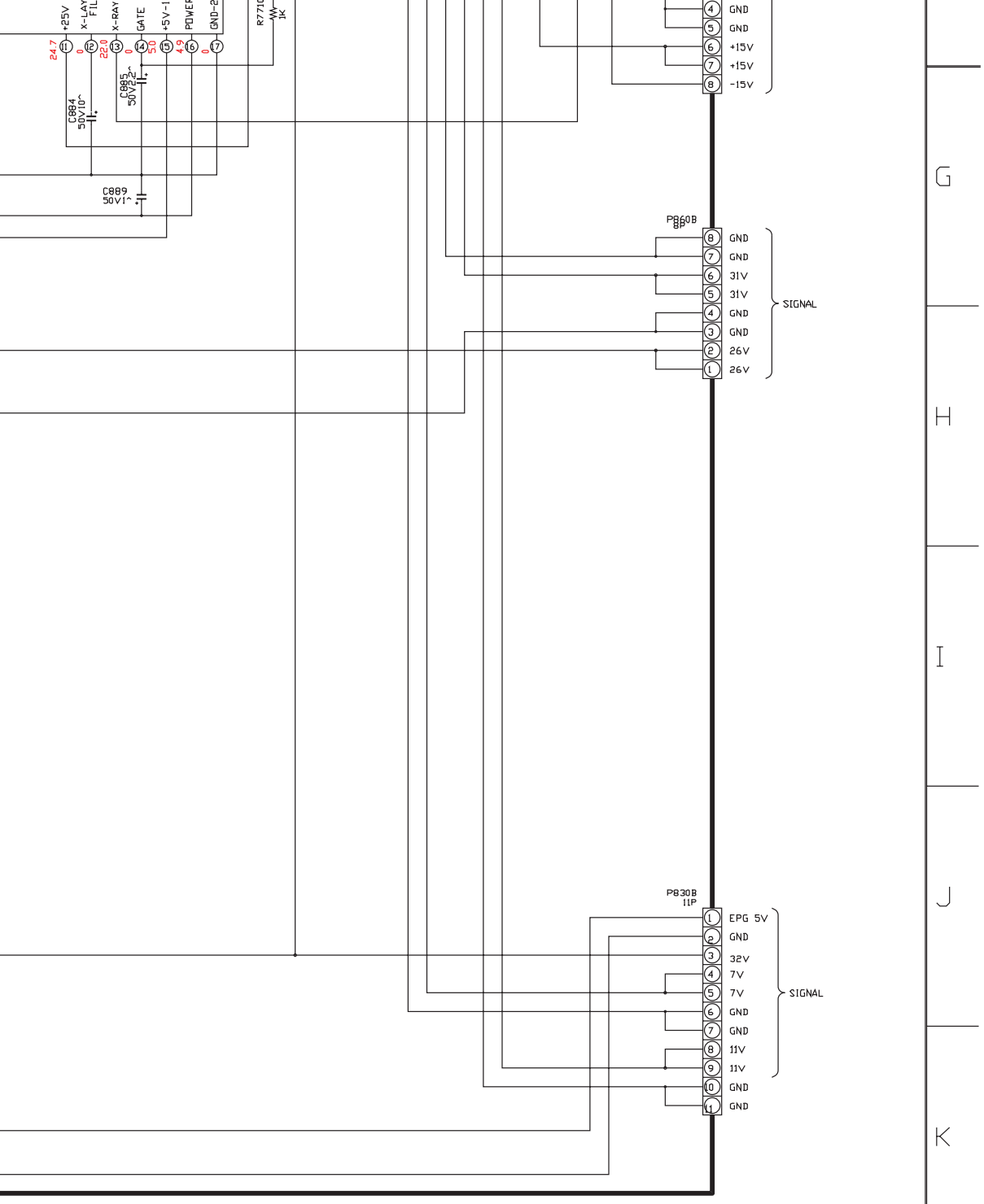

VIN GND CONT CSS CD DT VCC DRIVCC OC RC COM OUT VB
156.7 0 2.3 5.8 5.9 3.6 0.3 17.8 7.7 0.8 0 78.3 85.4
D805 MTZJ9.1A
R818 OPEN
D806 MTZJ27C
C830 1^
C814 200V2.2^
D807 OPEN
D808 OPEN
R807 27K R802 1K
C815 M0.47^
C816 50V2.2^
D809 MTZJ33A
C817 M0.22^
D810 MTZJ27C
C818 OPEN
C819 500V1000P
R870 10
R808 1/2R47
R809 1/2R68
D811 AG01A
C820 M0.22^
D812 MTZJ9.1C
L804 TEM2011
R814 1/2R820
C823 2KV 470
T862 TPW3450AS
C821 2KV 680
C822 2KV 820
R816 3R33K
D813 AL01Z
R810 2R68
C829 50V100^
C825 M2200
R812 1/2R39
R811 1/2R120
C826 2KV 220
C828 630V0.068^
R861 1R8.2M
Q862 TLN621(GRL-LF2)
R805 100
R857 1/2R6.8K
D838 1N4148
R858 1k
R856 1.5K
C883 250V M 0.1^
D863 1SS145
R859 1R33k
C881 M0.47^
C882
L857 TEM2011
L856 TEM2011
D854 D4SBS4
C860 25V2200^
L858 TEM2011
C859 500V470P
C858 500V470P
Z858 PRF5000SPRT
D855 D4SBS6
C861 35V3300^
C863 35V3300
L873 20^2.5A
C866 25V470^
L874 20^2.5A
C865 25V470^
L859 TEM2011
Z859 PRF5000SPRT
Z853 PRF40005PRT
R851 1/4RF1.0
HVCC
L861 TEM2011
D856 D4SBL20U
L862 TRF3299D
C869 50V2200^
R862 100K
AUDIO 31V
R852 2.7K
L866 TRF3299D
GND
L863 TEM2011
Z854 PRF50005PRT
L867 20^2.5A
7V
L864 TEM2011
D859 FMB-26L
C874 B1000P
C875 25V4700^
GND
L865 TEM2011
R853 1R0.56
L870 TLN3299D
+B
L868 TEM2011
D860 D4SBL40
C880 2K270P
C879 2K270P
C876 16V330^
GND
L869 TEM2011
Z801 HIC1026A
R854 1R120
R855 1R270
+B DCP C-OUT IZ DCP FILTER GND-I +25V X-LAY FILTER X-RAY
125.3 124.9 119.0 6.0 0 0 0 24.7 0 22.0
11V
+15V
-15V
GND


13
14
15
16
A
B
C
D
E
F
P804B
8P
NC
+7V
PROTECT
GND
+15V
+15V
GND
5V-1
CONVER
L7710
TLN3441AT
C7770
25V470^
L7713
TLN3441AT
P803B
3P
L7711
TLN3441AT
-15V
-15V
GND
C7771
25V470^
L7712
TLN3441AT
C866
25V470^
C865
25V470^
31V
R852
2.7K
P706A
4P
+120V
NC
GND
11V
SVM
R865
1/4RF1.0
BB21A
8P
-15V
GND
GND
GND
NC
+120V
+120V
+120V
DEF
Z856
PRF20005PRT
L872
TLN3299D
+B
R864
OPEN
R864
B 1W33K
G OPEN
C864
160V47^
GND
BB22A
8P
X-RAY
GND
HVCC
GND
GND
+15V
+15V
-15V
+25V
X-LAY FILTER
X-RAY
GATE
+5V-1
POWER
GND-2
24.7
0
220
0
50
4.9
0
0
R7710
1K
C885
50V2.2
C884
50V10


T8020
TRF3192
C8010
AC250V0.1^
C8020
AC250V470P
C8030
AC250V470P
T8030
TRF3192
Q823
STR-F6668
D827
MTZJ30A
GND
Vin
D
S
OCP/FB
C8400
AC250V0.1^
C8380
AC250V470P
C8370
AC250V470P
T8060
TRF3192
G
H
I
J
K
L
1
2
3
4


SR810
DLS5DI-□(M)
+5V-1
Q830
KN1206
R830
68K
D831
MTZJ5.6B
Q831
2PC1815Y
D830
MTZJ6.2C
T864
TPW3431AR
D820
RBV-406M
C8070
450V100^
(2408607Z)
Z803
PRT2000
C8080
250V470
R8040
3W68K
Z802
PRT5000
D8600
FML-G12S
L8520
20^
AUDIO 26V
C8520
35V6800^
R8560
33K
L8530
20^
D8580
MTZJ33A
GND
D822
RU1P
R8020
560K
R8010
680K
Q823
STR-F6668
D827
MTZJ30A
R8130
2R68K
C8160
500V470P
C8140
M0.1
L8100
TEM2011
L8120
TEM2011
R8190
680
R8150
1R2.7
R8140
2W0.39
D828
1Z6.2
GND
Vin
D
S
OCP/FB
D824
AL01Z
R8050
2R47
C8100
50V330
D825
1N4148
R8070
1K
R8060
1K
D826
1N4148
R8120
1K
C8090
0.01
C8110
C8120
R8100
10K
R8110
2.2K
D8040
1N4148
Q822
TLN621(GRL-LF2)
5.3
20.3
4.4
19.3
R8520
5.6K
D8540
1N4148
R8610
1N4148
R8540
1/4RF1.0
D8560
MTZJ2.7B
12.1
19.1
Q8500
SE024N
IN
OUT
GND
D8570
MTZJ30A
R8570
1K
D8550
1N4148
R8520
100
C8510
50V1^
R8580
1.5K
C8590
M0.1^
C8560
AC250V470P
C8570
AC250V470P
C8040
AC250V470P
B:NOT USE
G:USE
D832
LN1WBA60
Z880
PRT1000
C8495
1KV100P
T865
TPW3418AM
D835
AG01
R8620
1/2FR2
C8494
100V33^
R8610
2W1.5K
L8571
TRF4101AJ
32V
D847
1Z18D
C8450
0.01^
R8630
2R1K
D843
1Z30
C8440
400V47^
D841
RU1P
Q825
MIP0224SY
C8470
1KV100P
C8490M0.1
D833
AG01A
C8493
M0.1
Z823
PRT4000
L8540
TRF4100AZ
L8560
TRF4100AZ
L8570
TEM2011
Z870
PRT1600
EPG 5V
D834
RL2Z
C8270
16V3300^
C8350
16V820^
L8572
TEM2011
D845
1Z7.5
GND
C8340
10V220^
GND
L8570
TRF4100AZ
R8581
150
R8280
2.2K
C8300
50V10^
R8240
6.8K(1%)
C8430
AC250V1000P
C8491
AC250V1000P
C8492
25V47^
R8200
56
5.3
20.3
4.4
19.3
Q826
TLN621(GRL-LF2)
D848
1N4148
Q820
TL431CLPB
R8260
6.8K(1%)
R8261
47K
C8390
AC250V470P


23
1R8.2M
R856
1.5K
C883
250V M 0.1^
R857
1/2R6.8K
R858
1k
D862
1N4148
D863
1SS145
R859
1R33k
C811 200V0.47^
R863 100
Q862
TLN621(GRL-LF2)
5.4
4
0
3
120.7
119.7
D858
1N4148
R805
100
R806
100
1R120
1R270
C881
M0.47^
125.3
124.9
119.0
6.0
0
0
0
+B
DCP
C-OUT
IZ
DCP F
GND-1
C882
50V22^
24.7
0
22.0
+25V
X-LAY
FIL
X-RAY
C884
50V10^



POWER
40WH08B/46WH08B
56WH08B

13 14 15 16

U904 PB9485□ 40:A
DEFLECTION 46:B
56:C

CONVER

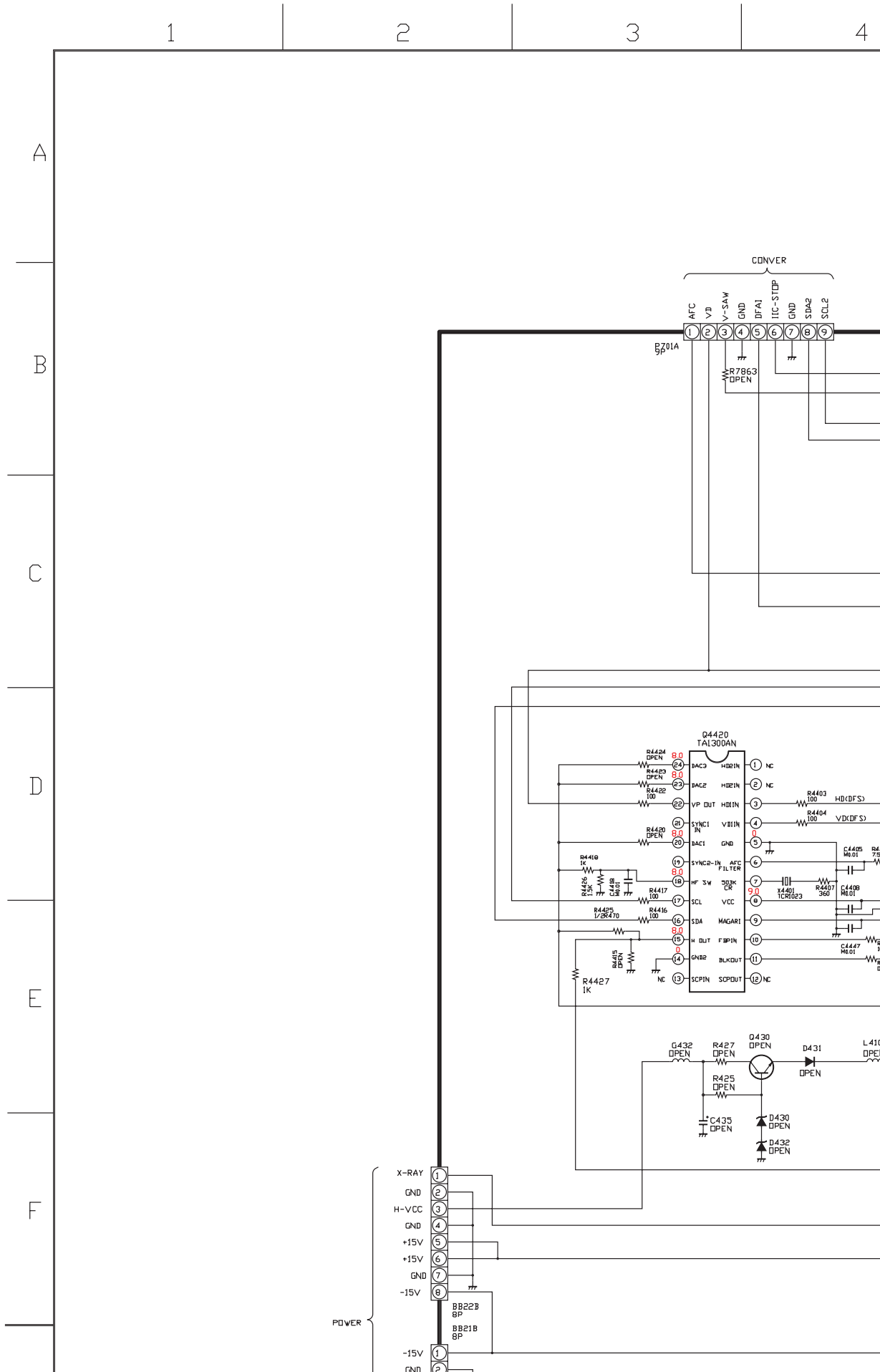
SIGNAL

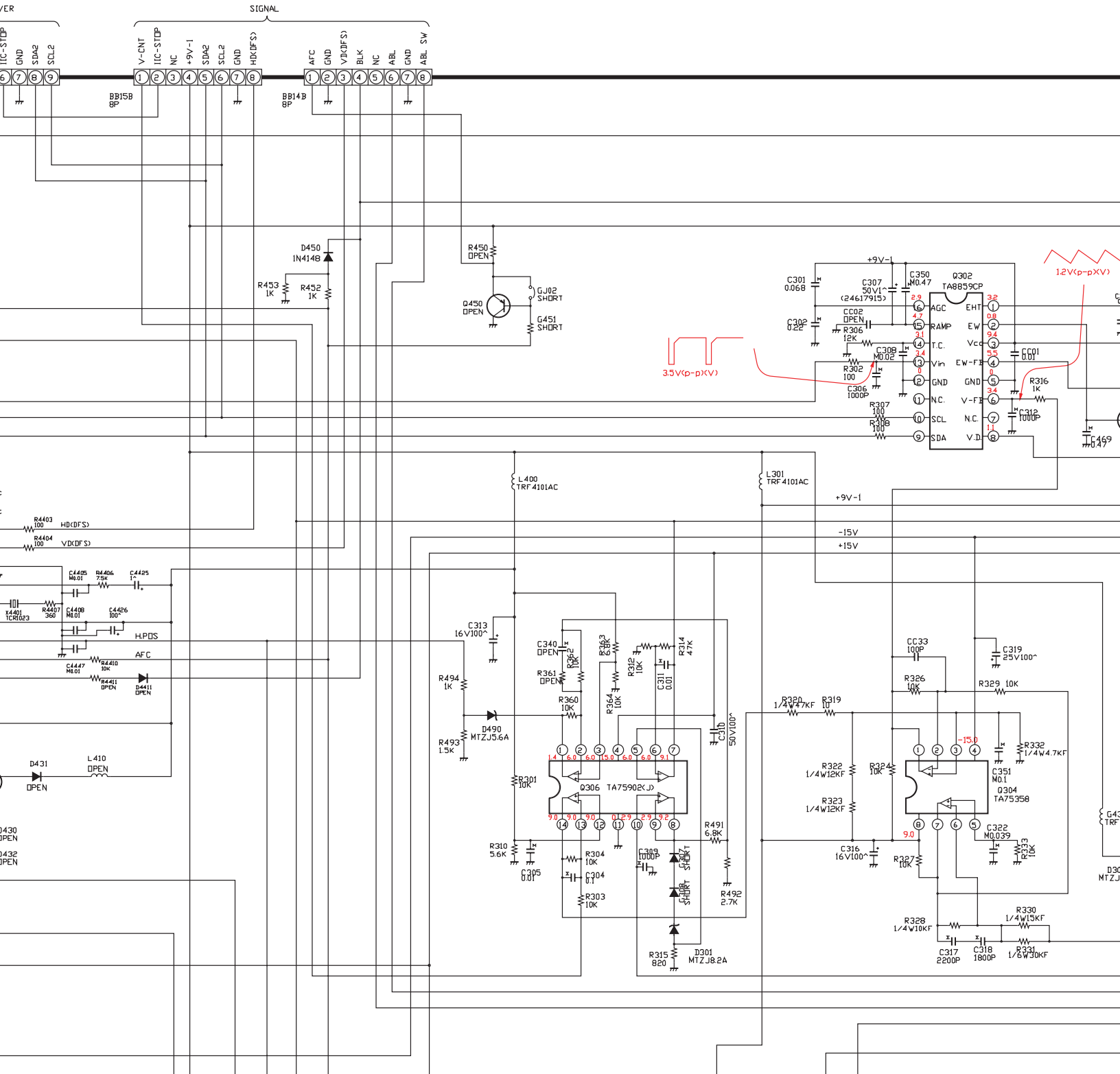
POWER

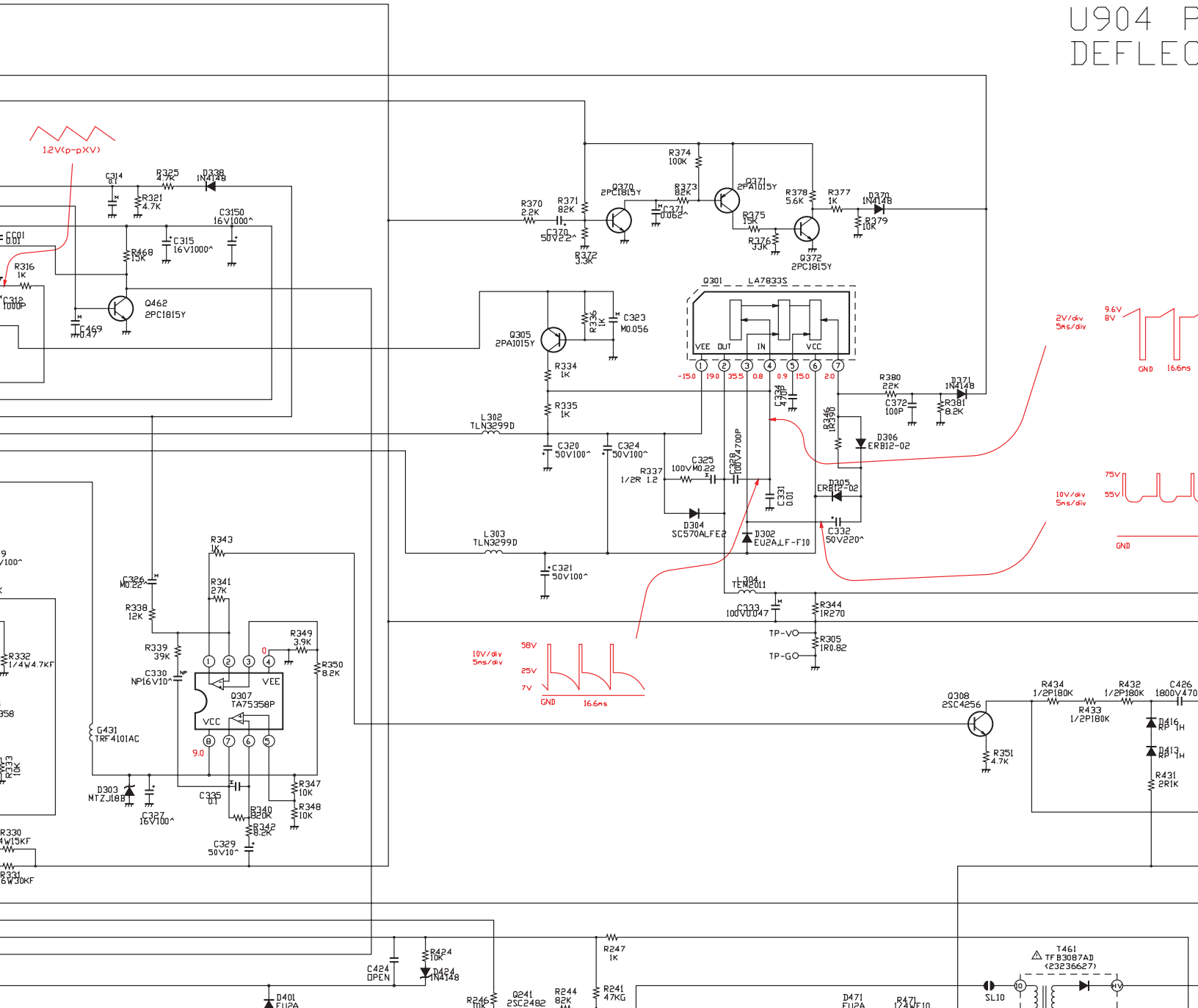
CRT DRIVE

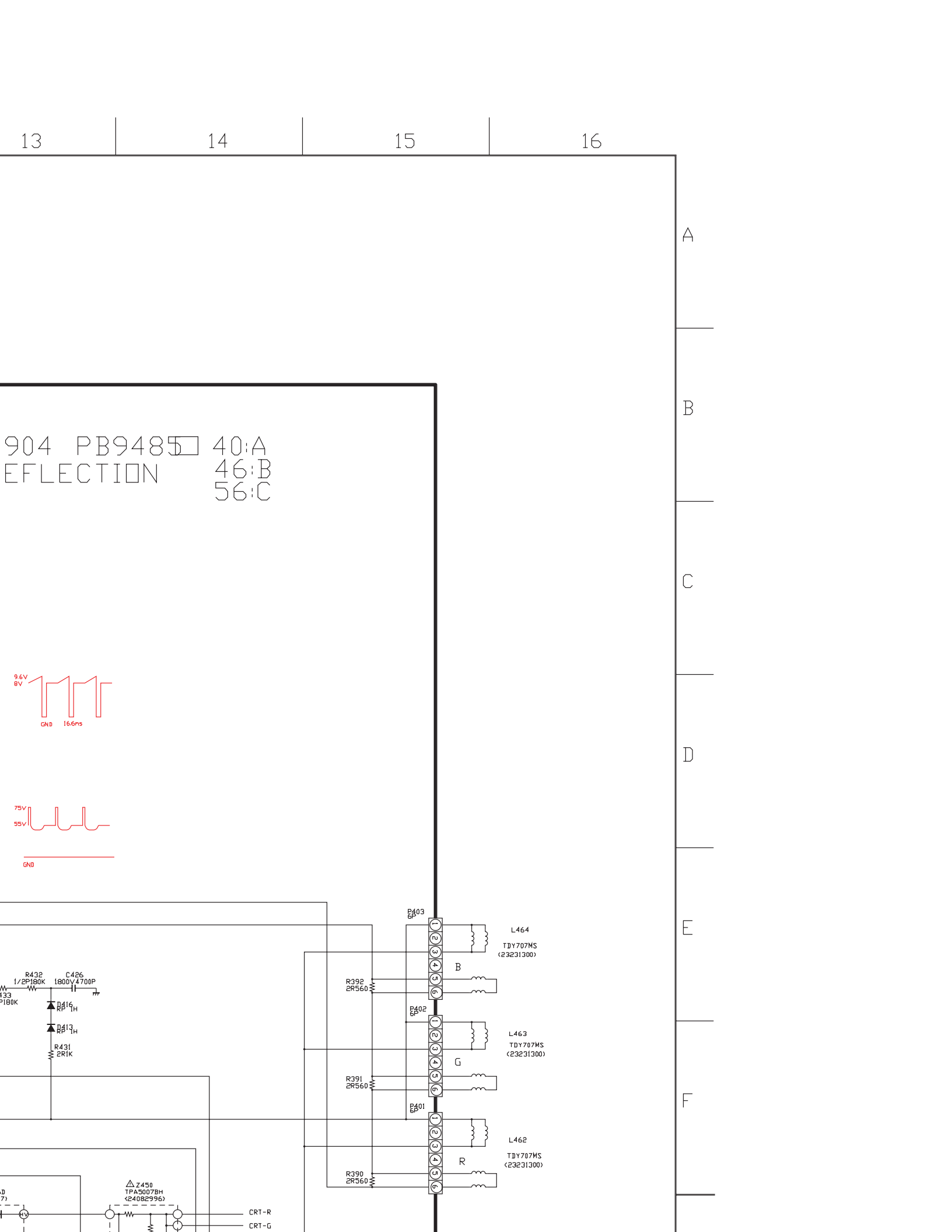
FOCUS PACK

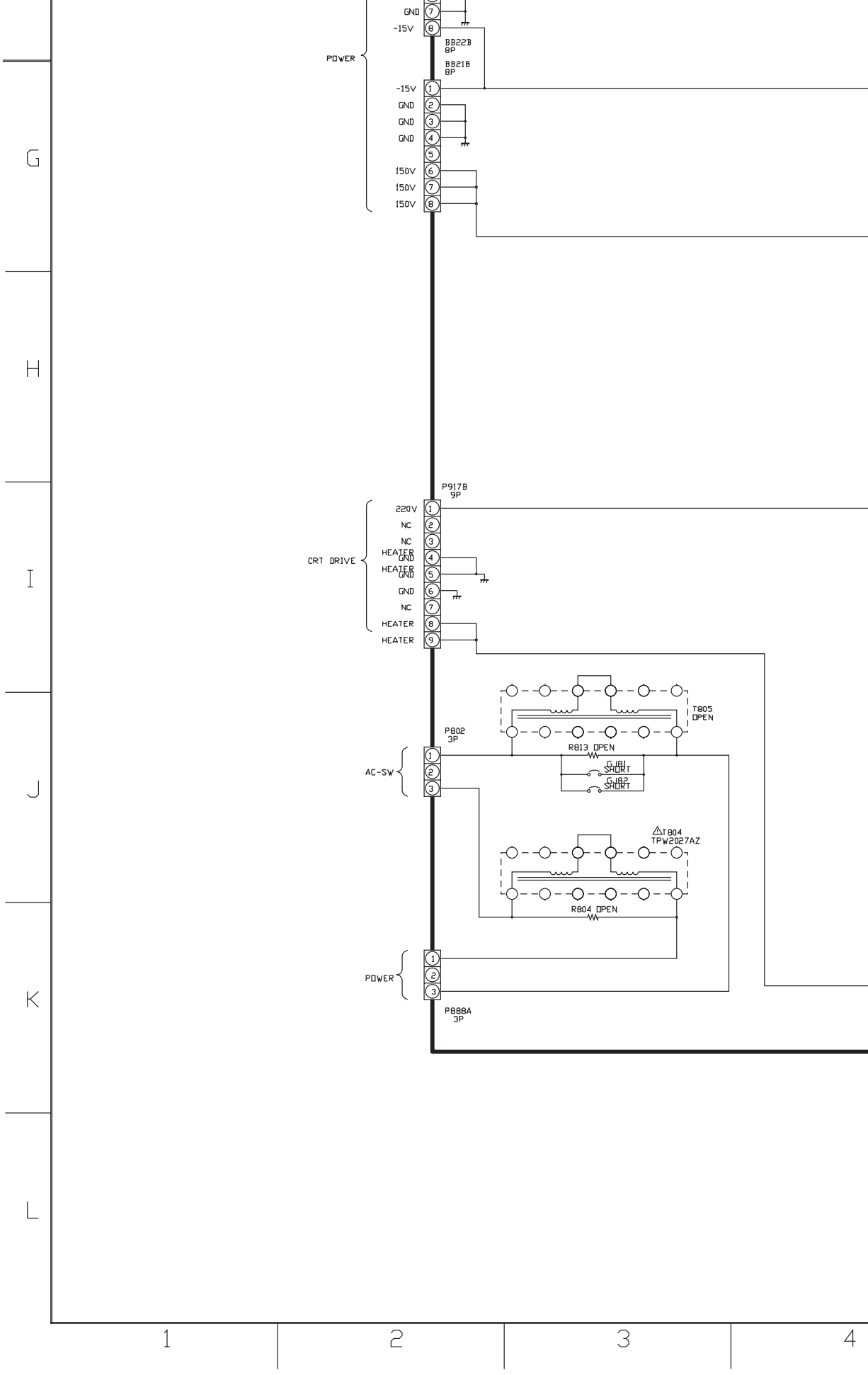
DEFLECTION
40WH08G/40WH08B
46WH08G/46WH08B
56WH08G/56WH08B

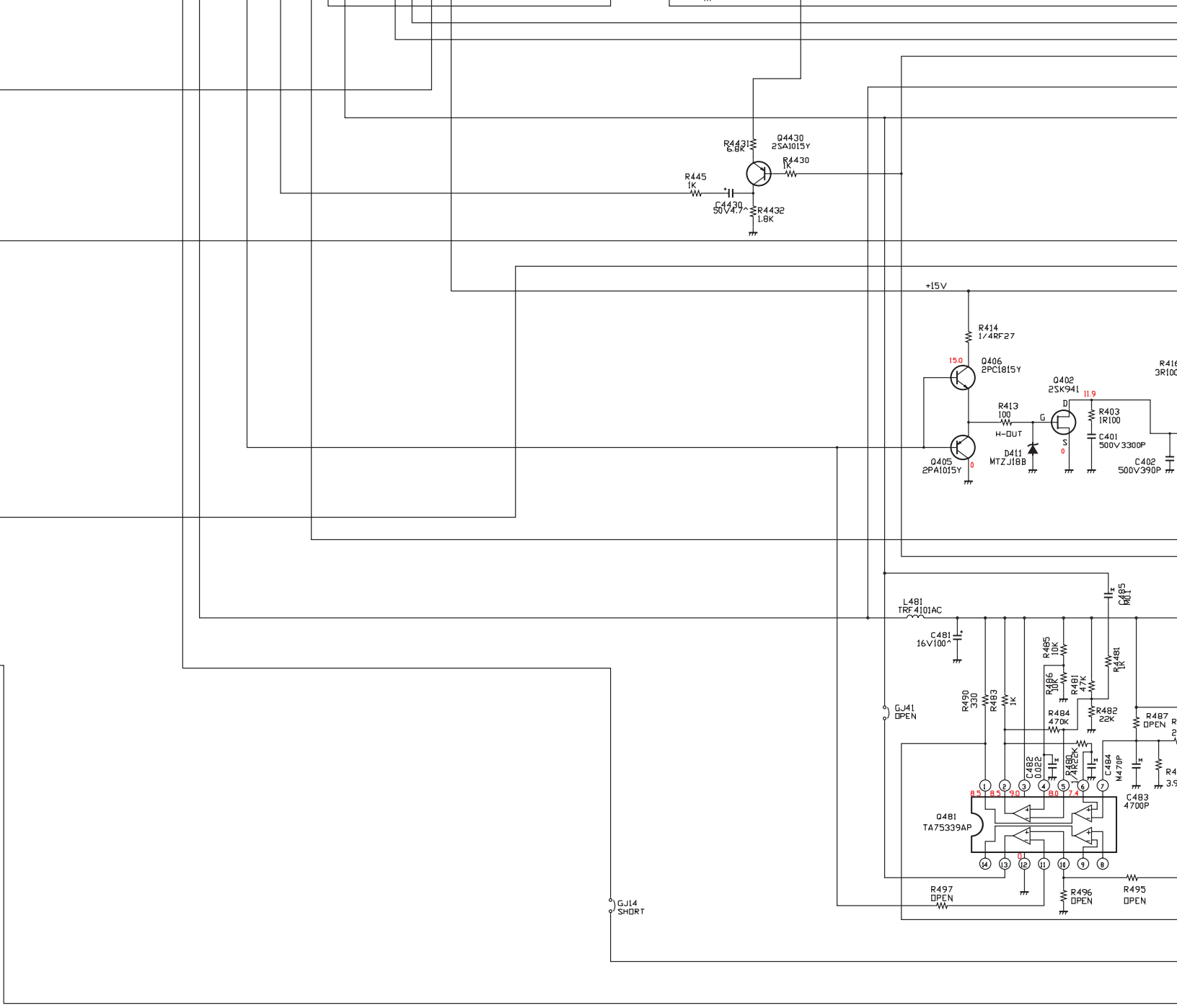

1
2
3
4
A
B
C
D
E
F
CONVER
AFC
VD
V-SAW
GND
DFA1
IIC-STOP
GND
SDA2
SCL2
BZ01A
9P
R7863
OPEN
Q4420
TA1300AN
R4424
OPEN
R4423
OPEN
R4422
100
R4420
OPEN
R4419
1K
R4426
1.5K
C4418
M0.01
R4417
100
R4425
1/2R470
R4416
100
R4415
OPEN
R4427
1K
DAC3
DAC2
VP OUT
SYNC1 IN
DAC1
SYNC2-IN
HF SW
SCL
SDA
H OUT
GND2
SCPIN
HDIN
HDIN
HDIN
VDIN
GND
AFC FILTER
503K CR
VCC
MAGARI
FBPIN
BLKOUT
SCPOUT
NC
NC
NC
R4403
100
HD(DFS)
R4404
100
VD(DFS)
C4405
M0.01
X4401
1CR1023
R4407
360
C4408
M0.01
C4447
M0.01
G432
OPEN
R427
OPEN
Q430
OPEN
D431
OPEN
R425
OPEN
C435
OPEN
D430
OPEN
D432
OPEN
POWER
X-RAY
GND
H-VCC
GND
+15V
+15V
GND
-15V
BB22B
8P
BB21B
8P
-15V
GND

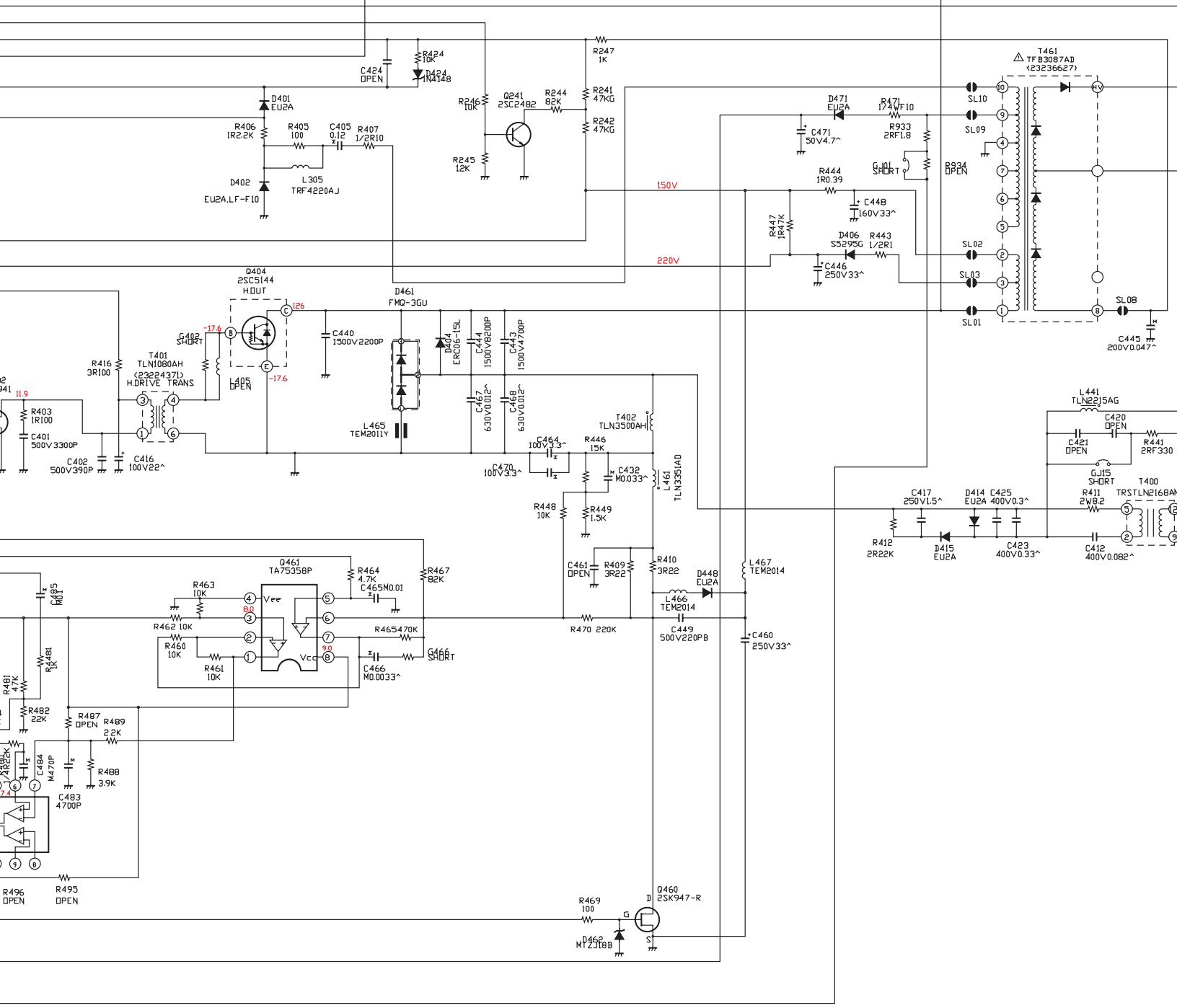

SIGNAL
IIC-STOP
GND
SDA2
SCL2
V-CNT
IIC-STOP
NC
+9V-1
SDA2
SCL2
GND
HD(DFS)
AFC
GND
VD(DFS)
BLK
NC
ABL
GND
ABL SW
BB15B 8P
BB14B 8P
D450 IN4148
R450 OPEN
R453 1K
R452 1K
Q450 OPEN
GJ02 SHORT
GJ51 SHORT
3.5V(p-p)(V)
1.2V(p-p)(V)
+9V-1
C301 0.068
C307 50V1^ (24617915)
C350 M0.47
Q302 TA8859CP
C302 0.22
CC02 OPEN
R306 12K
C308 M0.02
R302 100
C306 1000P
R307 100
R308 100
AGC
RAMP
T.C.
Vin
GND
N.C.
SCL
SDA
EHT
EW
Vcc
EW-FB
GND
V-FB
N.C.
V.D
CC01 0.01
R316 1K
C312 1000P
C469 0.47
L400 TRF4101AC
L301 TRF4101AC
+9V-1
-15V
+15V
R4403 100
R4404 100
HD(DFS)
VD(DFS)
C4405 M0.01
R4406 7.5K
C4425 1^
X4401 TCR1023
R4407 360
C4408 M0.01
C4426 100^
H.POS
AFC
C4447 M0.01
R4410 10K
R4411 OPEN
D4411 OPEN
D431
L410 OPEN
D430 OPEN
D432 OPEN
C313 16V100^
C340 OPEN
R362 10K
R363 6.8K
R312 10K
R314 47K
C311 0.01
R361 OPEN
R360 10K
R364 10K
R494 1K
D490 MTZJ5.6A
R493 1.5K
R301 10K
Q306 TA75902(J)
C310 50V100^
R491 6.8K
R492 2.7K
R310 5.6K
C305 0.01
R304 10K
C304 0.1
R303 10K
C309 1000P
D301 MTZJ8.2A
R315 820
CC33 100P
C319 25V100^
R326 10K
R329 10K
R320 1/4W47KF
R319 10
R322 1/4W12KF
R323 1/4W12KF
R324 10K
R332 1/4W4.7KF
C351 M0.1
Q304 TA75358
C322 M0.039
R333 10K
C316 16V100^
R327 10K
R328 1/4W10KF
R330 1/4W15KF
C317 2200P
C318 1800P
R331 1/6W30KF

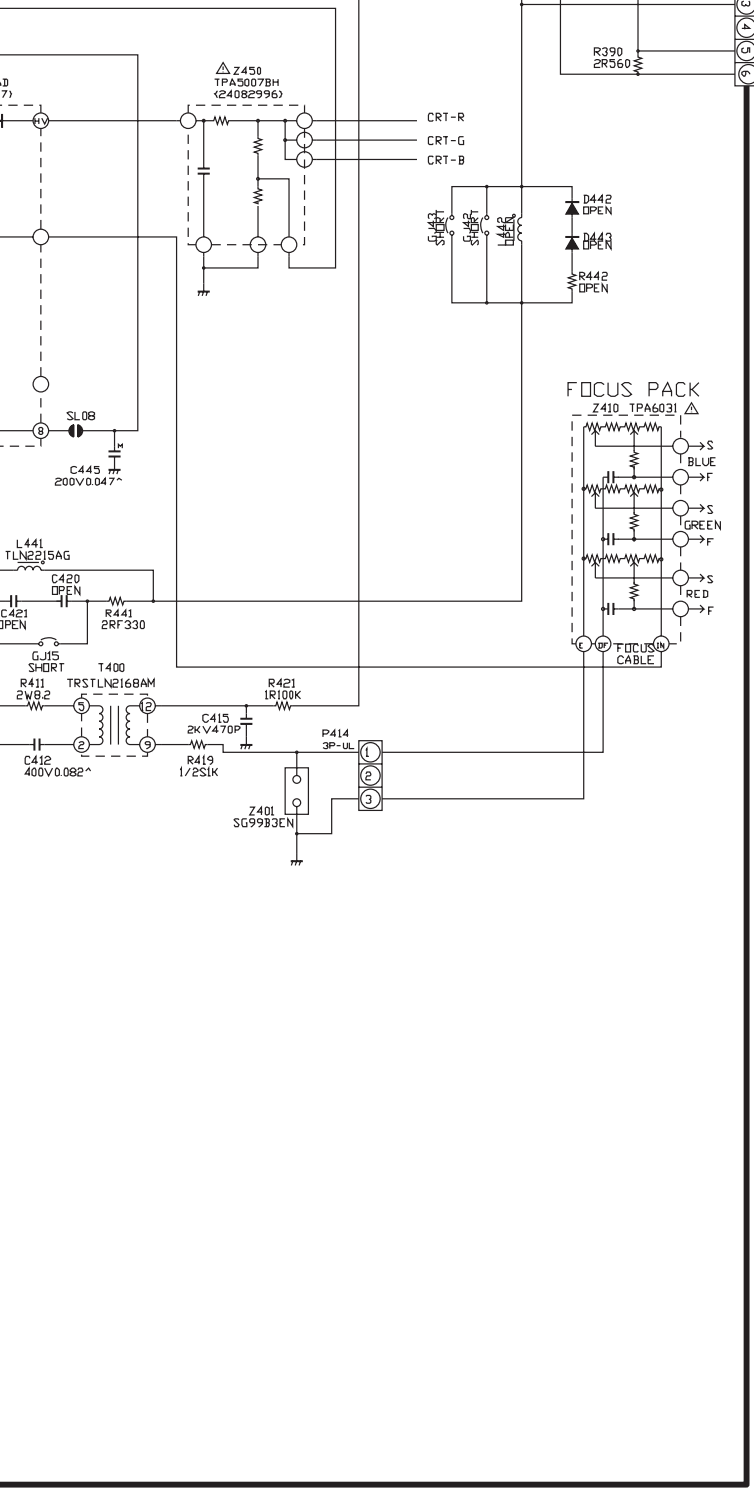

U904 P
DEFLEC
1.2V(p-pXV)
C314 0.1
R325 4.7K
D338 IN4148
R321 4.7K
C3150 16V1000^
C315 16V1000^
R468 15K
R316 1K
C312 1000P
C469 0.47
Q462 2PC1815Y
R374 100K
R370 2.2K
R371 82K
Q370 2PC1815Y
R373 82K
Q371 2PA1015Y
R378 5.6K
R377 1K
D370 IN4148
C370 50V22^
C371 0.062^
R375 15K
R376 33K
R379 10K
R372 3.3K
Q372 2PC1815Y
Q301 LA7833S
VEE OUT IN VCC
-15.0 19.0 35.5 0.8 0.9 15.0 2.0
Q305 2PA1015Y
R336 1K
C323 M0.056
R334 1K
R335 1K
L302 TLN3299D
C320 50V100^
C324 50V100^
C325 100V0.22
R337 1/2R 1.2
C329 100V4700P
C334 470P
R346 1R330
D306 ERB12-02
R380 22K
C372 100P
D371 1N4148
R381 8.2K
C331 0.01
D305 ERB12-02
D304 SC570ALFE2
D302 EU2ALF-F10
C332 50V220^
L303 TLN3299D
C321 50V100^
L304 TEN2011
C333 100V0.047
R344 1R270
TP-VO
R305 1R0.82
TP-GO
2V/div 5ms/div
9.6V 8V
GND 16.6ms
10V/div 5ms/div
75V 55V
GND
10V/div 5ms/div
58V 25V 7V
GND 16.6ms
R343 1K
C326 M0.22
R341 27K
R338 12K
R339 39K
R349 3.9K
C330 NP16V10^
Q307 TA75358P
VEE VCC
R350 8.2K
G431 TRF4101AC
9.0
D303 MTZJ18B
C327 16V100^
C335 0.1
R347 10K
R340 820K
R348 10K
R342 8.2K
C329 50V10^
R332 1/4W4.7KF
R330 1/4W15KF
R331 6W30KF
Q308 2SC4256
R434 1/2P180K
R432 1/2P180K
C426 1800V470
R433 1/2P180K
D416 RP1H
D413 RP1H
R351 4.7K
R431 2R1K
C424 OPEN
R424 10K
D424 IN4148
R247 1K
T461 TFB3087AD (23236627)
SL10
HV
D401 EU2A
R246 10K
Q241 2SC2482
R244 82K
R241 47KG
D471 EU2A
R471 1/2W5F10


13
14
15
16
A
B
C
D
E
F
904 PB9485 40:A
EFLECTION 46:B
56:C
9.6V
8V
GND
16.6ms
75V
55V
GND
P403
6P
L464
TDY707MS
(23231300)
B
R392
2R560
P402
6P
L463
TDY707MS
(23231300)
G
R391
2R560
P401
6P
L462
TDY707MS
(23231300)
R
R390
2R560
R432
1/2P180K
C426
1800V4700P
D416
RP 1H
D413
RP 1H
R431
2R1K
Z450
TPA5007BH
(24082996)
CRT-R
CRT-G


GND
-15V
POWER
BB22B
8P
BB21B
8P
-15V
GND
GND
GND
150V
150V
150V
P917B
9P
220V
NC
NC
HEATER
GND
HEATER
GND
GND
NC
HEATER
HEATER
CRT DRIVE
T805
OPEN
P802
3P
R813 OPEN
CJ81
SHORT
CJ82
SHORT
AC-SW
T804
TPW2027AZ
R804 OPEN
POWER
P888A
3P
G
H
I
J
K
L
1
2
3
4


R4431
6.8K
Q4430
2SA1015Y
R4430
1K
R445
1K
C4430
50V4.7
R4432
1.8K
+15V
R414
1/4RF27
15.0
Q406
2PC1815Y
Q402
2SK941
11.9
R413
100
H-OUT
D
G
S
R403
1R100
C401
500V3300P
D411
MTZJ18B
Q405
2PA1015Y
C402
500V390P
L481
TRF4101AC
C481
16V100^
R485
10K
R481
1K
R486
10K
R481
47K
R490
330
R483
1K
GJ41
OPEN
R484
470K
R480
22K
R487
OPEN
C482
0.022
R482
2K2
C484
M470P
C483
4700P
Q481
TA75339AP
R497
OPEN
R496
OPEN
R495
OPEN
GJ14
SHORT


C424 OPEN
R424 10K
D424 1N4148
R247 1K
D401 EU2A
R406 1R2.2K
R405 100
C405 0.12
R407 1/2R10
D402 EU2A,LF-F10
L305 TRF4220AJ
R246 10K
Q241 2SC2482
R244 82K
R241 47KG
R242 47KG
R245 12K
150V
220V
T461 TFB3087AD (23236627)
D471 EU2A
R471 1/4WF10
C471 50V4.7^
R933 2RF1.8
G401 SHORT
R934 OPEN
R444 1R0.39
C448 160V33^
R447 1R47K
D406 S5295G
R443 1/2R1
C446 250V33^
SL10
SL09
SL02
SL03
SL01
SL08
C445 200V0.047^
Q404 2SC5144 H.OUT
D461 FMQ-3GU
G402 SHORT
C440 1500V2200P
D404 ERC06-15L
C444 1500V8200P
C443 1500V4700P
R416 3R100
T401 TLN1080AH (23224371) H.DRIVE TRANS
L405 OPEN
R403 1R100
C401 500V3300P
C402 500V390P
C416 100V22^
C467 630V0.012^
C468 630V0.012^
L465 TEM2011Y
T402 TLN3500AH
C464 100V3.3^
C470 100V3.3^
R446 15K
C432 M0.033^
L461 TLN3351AD
R448 10K
R449 1.5K
L441 TLN2215AG
C420 OPEN
C421 OPEN
R441 2RF330
G415 SHORT
T400 TRSTLN2168AN
C417 250V1.5^
D414 EU2A
C425 400V0.3^
R411 2W8.2
R412 2R22K
D415 EU2A
C423 400V0.33^
C412 400V0.082^
Q461 TA75358P
R463 10K
R464 4.7K
C465 M0.01
R467 82K
R462 10K
R460 10K
R461 10K
R465 470K
C466 M0.0033^
G466 SHORT
C461 OPEN
R409 3R22
R410 3R22
D448 EU2A
L467 TEM2014
L466 TEM2014
C449 500V220PB
C460 250V33^
R470 220K
R485 M01
R481 47K
R482 22K
R487 OPEN
R489 2.2K
R488 3.9K
C484 M470P
C483 4700P
R496 OPEN
R495 OPEN
R469 100
Q460 2SK947-R
D462 MTZJ18B



DEFLECTION

40WH08G/40WH08B
46WH08G/46WH08B
56WH08G/56WH08B

U910A BACK AV
PB9489 -1
B&G=A

WOOFER-OUT
AUDIO OUT (FIX)
DVD COMP.
E3
E2
E1
WOOFER M602 SHIELDED WIRE
TO P602A ON SIGNAL BOARD
TO FRONT
TO SIGNAL
EXT INT
SLIDE SW
EXT
INT
R-SP
L-SP
EXT SP
SURROUND SP
S-2P PHON JACK
21 PIN S-VHS
21 PIN FULL
SCART1 #8
SCART2 #8
SYNC-AV
TV-V
TV-R
TV-L
RGB GND
SGV GND
SGV
+9V-1
+5V-2
V-MUTE
A MUTE
AV-L
AV-R
AV-C
V-GND
TV-V/GND
MDN1-L
MDN1-R
SCART Ys
V OUT
L OUT
R OUT
PV10B 20P B/B PLUG
PV11B 21P B/B PLUG
TO PS12 ON SIGNAL BOARD
TO PS13 ON SIGNAL BOARD
LV03 TEM2028AH
GC03 OPEN
GC04 OPEN
LV08 TEM2030
LV20 TEM2030AY
GJ21 OPEN
GJ22 OPEN
GJ23 OPEN
GJ24 OPEN
DVD1 MM1495XD
LV43 TRF4100AF
LV42 TRF4100AF
LV09 2SC1815Y
QV10 2SC2712Y
QV06 2SA1162Y
QS01 2SC3326B
QS02 2SC3326B
QS03 2SC2712Y
QS04 2SC2712Y
QS08 2SC3326B
QS09 2SC3326B
QS06 2SC3326B
QS07 RN2404
QV01 2SC1815Y
QV02 2SC1815Y
QV03 2SC1815Y
QV04 2SC1815Y
QV05 2SC1815Y
QV07 2SC2712Y
QV08 2SC2712Y
QV09 2SC1815Y
QV10 2SC2712Y
QV11 2SC1815Y
QV12 2SC1815Y
QV13 2SC1815Y
QV14 2SC1815Y
QV15 2SC1815Y
QV16 2SC1815Y
QV17 2SC1815Y
QV18 2SC1815Y
QV19 2SC1815Y
QV20 2SC1815Y
QV21 2SC1815Y
QV22 2SC1815Y
QV23 2SC1815Y
QV24 2SC1815Y
QV25 2SC1815Y
QV26 2SC1815Y
QV27 2SC1815Y
QV28 2SC1815Y
QV29 2SC1815Y
QV30 2SC1815Y
QV31 2SC1815Y
QV32 2SC1815Y
QV33 2SC1815Y
QV34 2SC1815Y
QV35 2SC1815Y
QV36 2SC1815Y
QV37 2SC1815Y
QV38 2SC1815Y
QV39 2SC1815Y
QV40 2SC1815Y
QV41 2SC1815Y
QV42 2SC1815Y
QV43 2SC1815Y
QV44 2SC1815Y
QV45 2SC1815Y
QV46 2SC1815Y
QV47 2SC1815Y
QV48 2SC1815Y
QV49 2SC1815Y
QV50 2SC1815Y
QV51 2SC1815Y
QV52 2SC1815Y
QV53 2SC1815Y
QV54 2SC1815Y
QV55 2SC1815Y
QV56 2SC1815Y
QV57 2SC1815Y
QV58 2SC1815Y
QV59 2SC1815Y
QV60 2SC1815Y
QV61 2SC1815Y
QV62 2SC1815Y
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QV64 2SC1815Y
QV65 2SC1815Y
QV66 2SC1815Y
QV67 2SC1815Y
QV68 2SC1815Y
QV69 2SC1815Y
QV70 2SC1815Y
QV71 2SC1815Y
QV72 2SC1815Y
QV73 2SC1815Y
QV74 2SC1815Y
QV75 2SC1815Y
QV76 2SC1815Y
QV77 2SC1815Y
QV78 2SC1815Y
QV79 2SC1815Y
QV80 2SC1815Y
QV81 2SC1815Y
QV82 2SC1815Y
QV83 2SC1815Y
QV84 2SC1815Y
QV85 2SC1815Y
QV86 2SC1815Y
QV87 2SC1815Y
QV88 2SC1815Y
QV89 2SC1815Y
QV90 2SC1815Y
QV91 2SC1815Y
QV92 2SC1815Y
QV93 2SC1815Y
QV94 2SC1815Y
QV95 2SC1815Y
QV96 2SC1815Y
QV97 2SC1815Y
QV98 2SC1815Y
QV99 2SC1815Y
QV100 2SC1815Y
QV101 2SC1815Y
QV102 2SC1815Y
QV103 2SC1815Y
QV104 2SC1815Y
QV105 2SC1815Y
QV106 2SC1815Y
QV107 2SC1815Y
QV108 2SC1815Y
QV109 2SC1815Y
QV110 2SC1815Y
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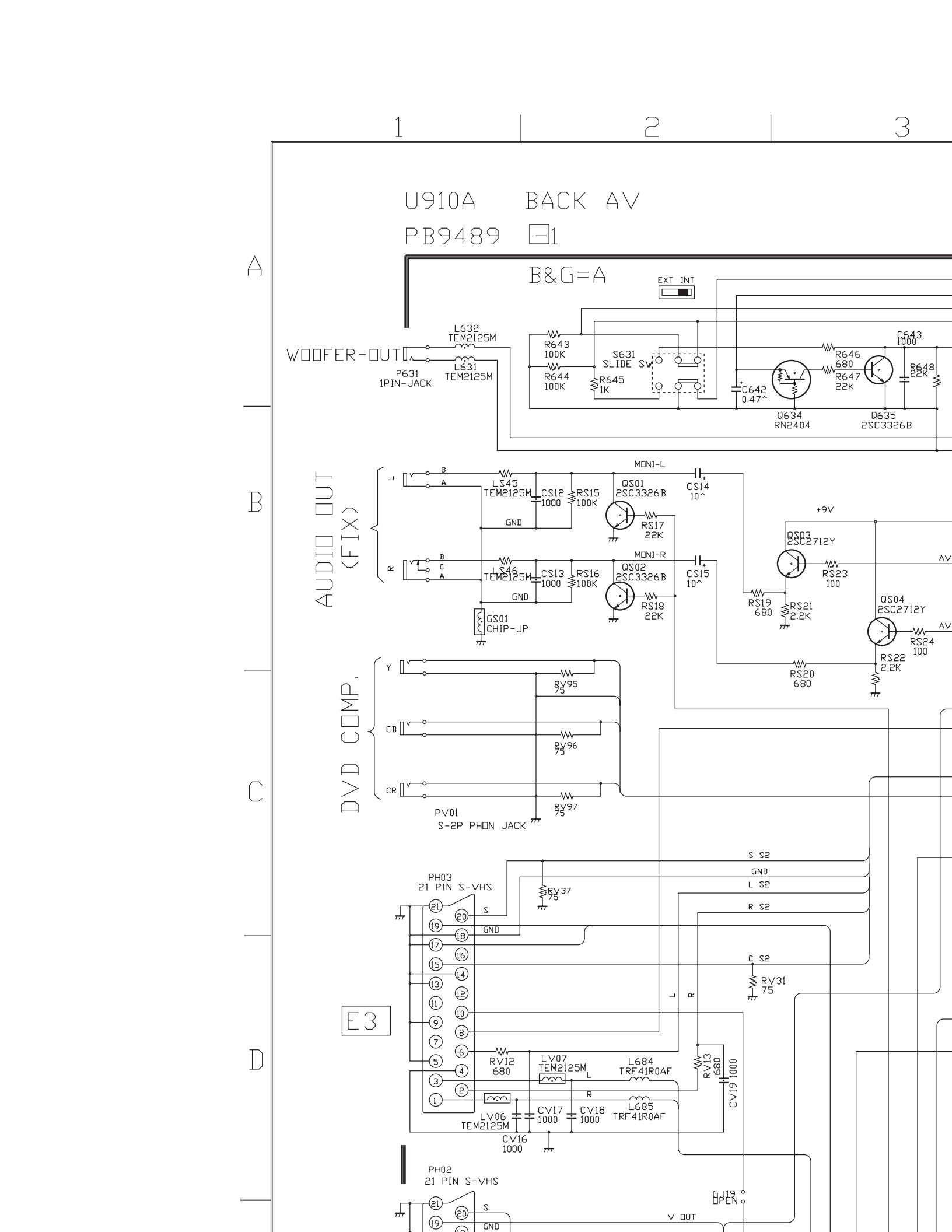
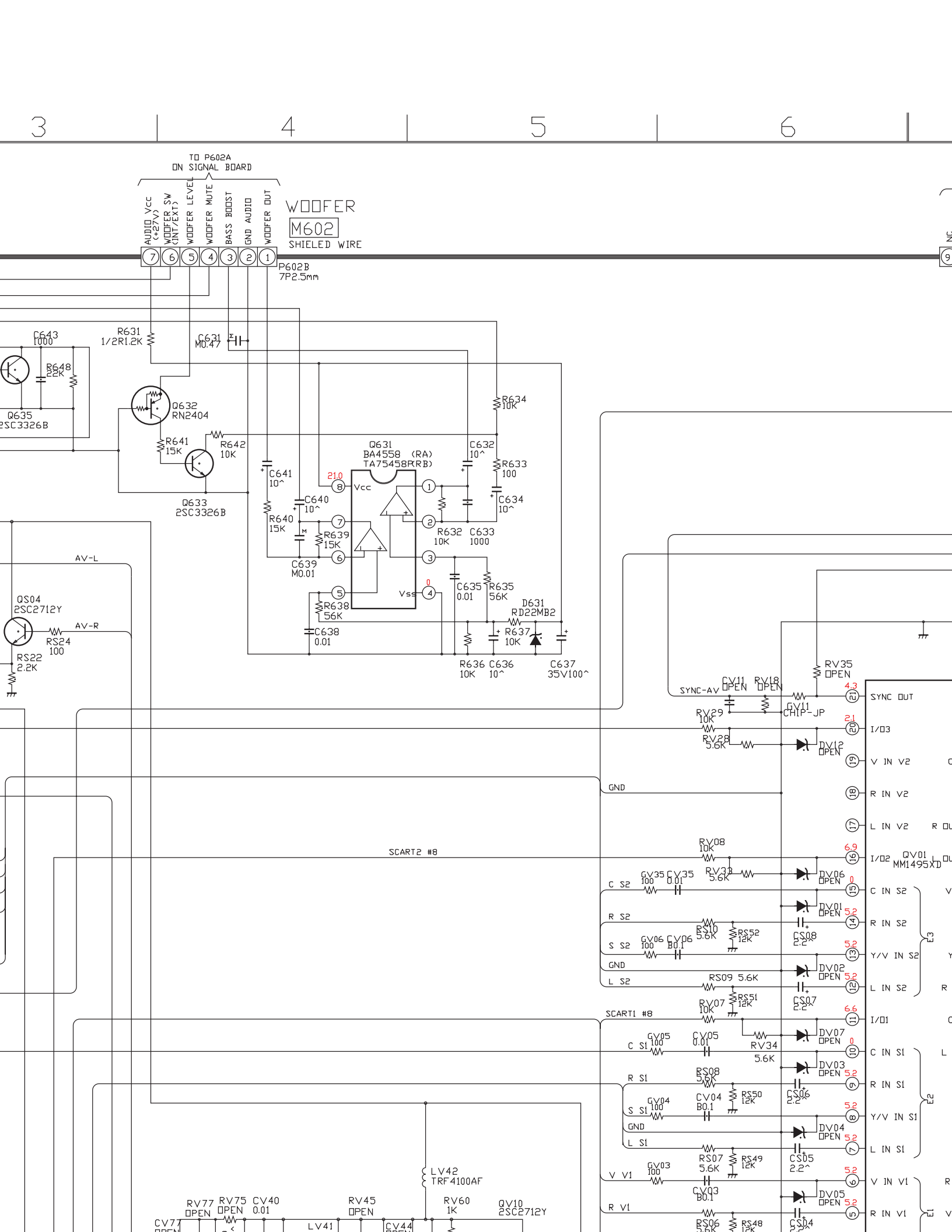
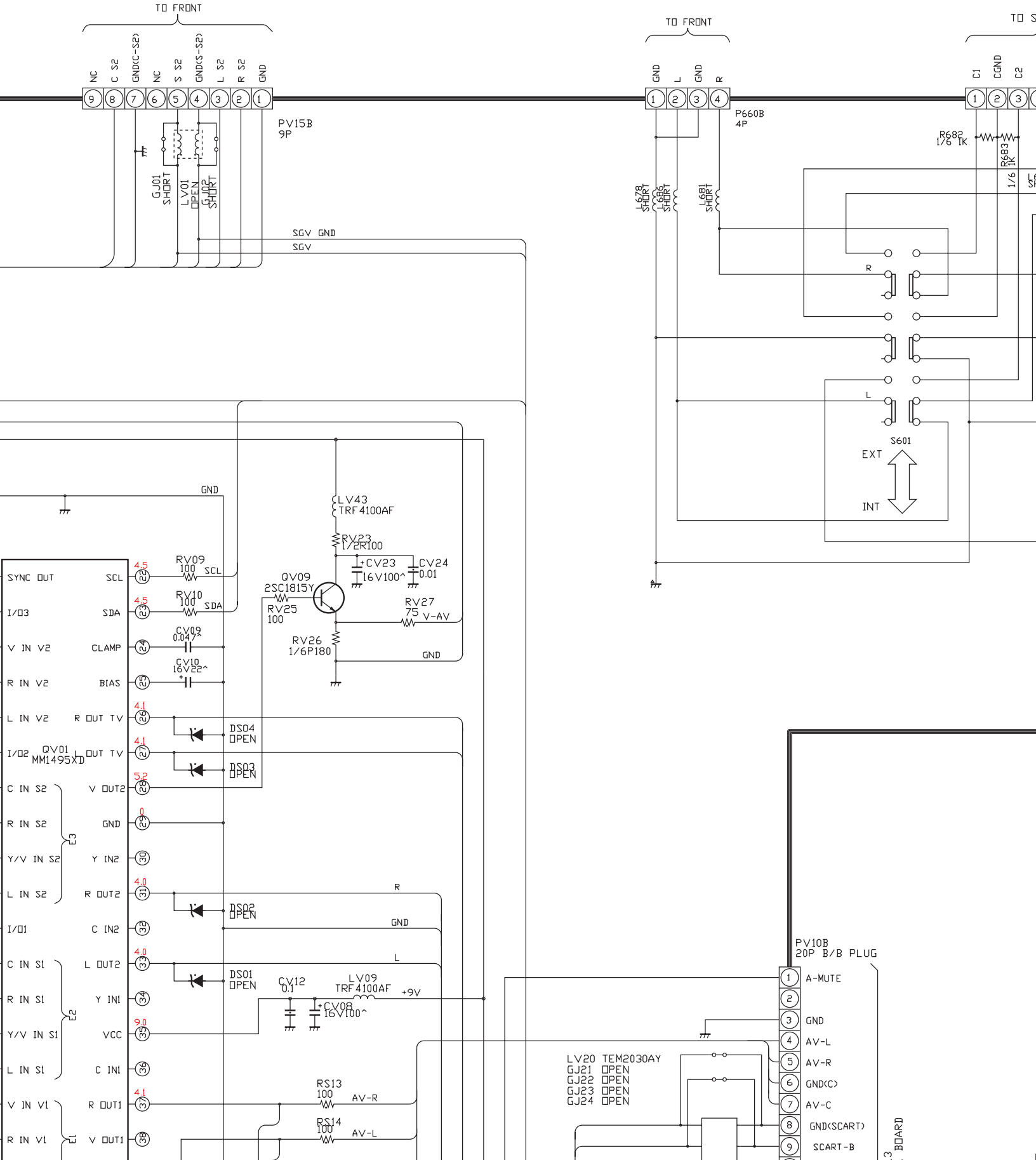
QV922 2SC1815Y
QV923 2SC1815Y
QV924 2SC1815Y
QV925 2SC1815Y
QV926 2SC1815Y
QV927 2SC1815Y
QV928 2SC1815Y
QV929 2SC1815Y
QV930 2SC1815Y
QV931 2SC1815Y
QV932 2SC1815Y
QV933 2SC1815Y
QV934 2SC1815Y
QV935 2SC1815Y
QV936 2SC1815Y
QV937 2SC1815Y
QV938 2SC1815Y
QV939 2SC1815Y
QV940 2SC1815Y
QV941 2SC1815Y
QV942 2SC1815Y
QV943 2SC1815Y
QV944 2SC1815Y
QV945 2SC1815Y
QV946 2SC1815Y
QV947 2SC1815Y
QV948 2SC1815Y
QV949 2SC1815Y
QV950 2SC1815Y
QV951 2SC1815Y
QV952 2SC1815Y
QV953 2SC1815Y
QV954 2SC1815Y
QV955 2SC1815Y
QV956 2SC1815Y
QV957 2SC1815Y
QV958 2SC1815Y
QV959 2SC1815Y
QV960 2SC1815Y
QV961 2SC1815Y
QV962 2SC1815Y
QV963 2SC1815Y
QV964 2SC1815Y
QV965 2SC1815Y
QV966 2SC1815Y
QV967 2SC1815Y
QV968 2SC1815Y
QV969 2SC1815Y
QV970 2SC1815Y
QV971 2SC1815Y
QV972 2SC1815Y
QV973 2SC1815Y
QV974 2SC1815Y
QV975 2SC1815Y
QV976 2SC1815Y
QV977 2SC1815Y
QV978 2SC1815Y
QV979 2SC1815Y
QV980 2SC1815Y
QV981 2SC1815Y
QV982 2SC1815Y
QV983 2SC1815Y
QV984 2SC1815Y
QV985 2SC1815Y
QV986 2SC1815Y
QV987 2SC1815Y
QV988 2SC1815Y
QV989 2SC1815Y
QV990 2SC1815Y
QV991 2SC1815Y
QV992 2SC1815Y
QV993 2SC1815Y
QV994 2SC1815Y
QV995 2SC1815Y
QV996 2SC1815Y
QV997 2SC1815Y
QV998 2SC1815Y
QV999 2SC1815Y
QV1000 2SC1815Y

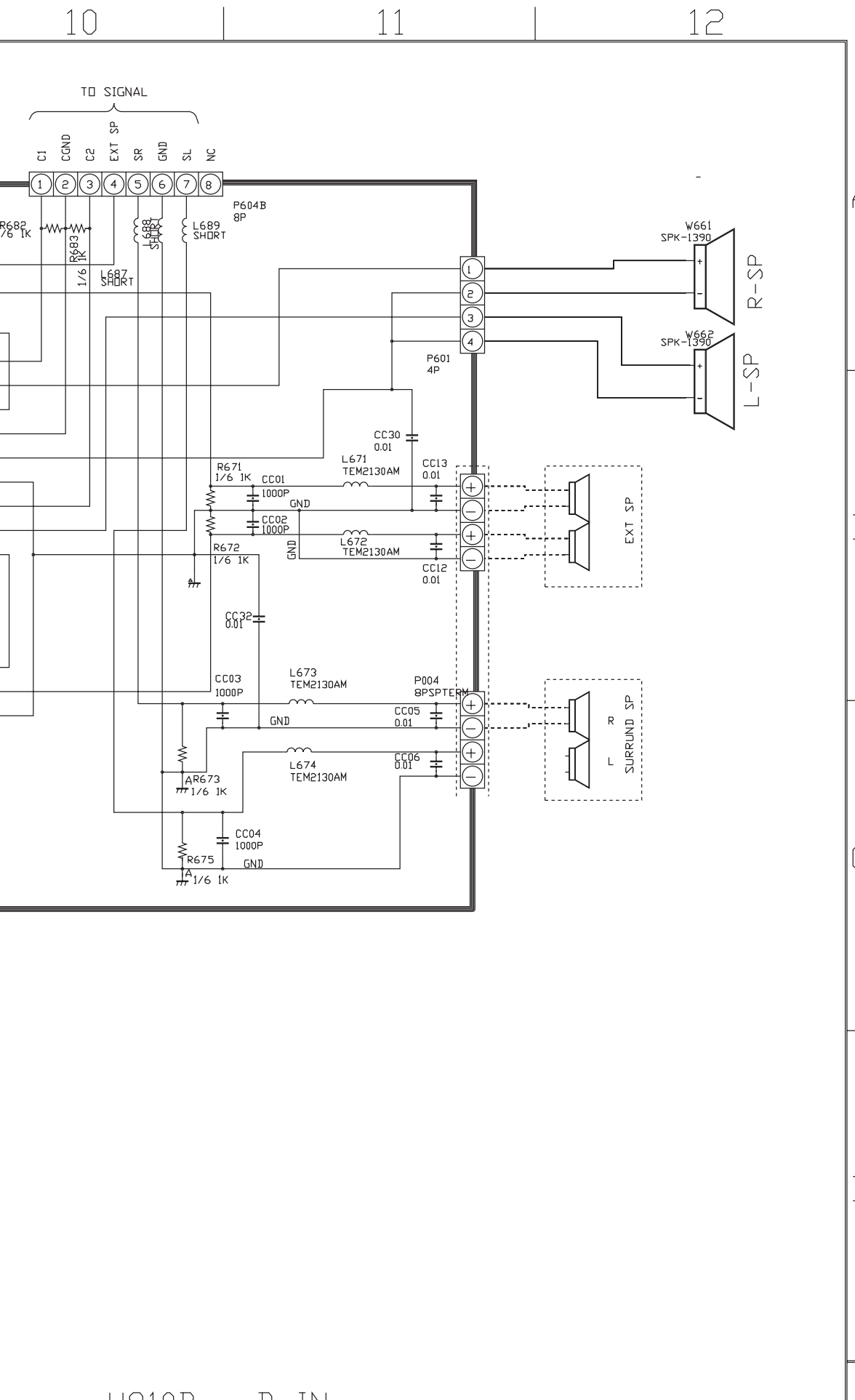
U910B D-IN
PB9489 -2
B&G=A
TO PD01A ON SIGNAL BOARD WITH MD01
TO M302 ON SIGNAL BOARD WITH M302
OPTICAL
DIGITAL-IN
AC-3 INPUT DIGITAL AMP

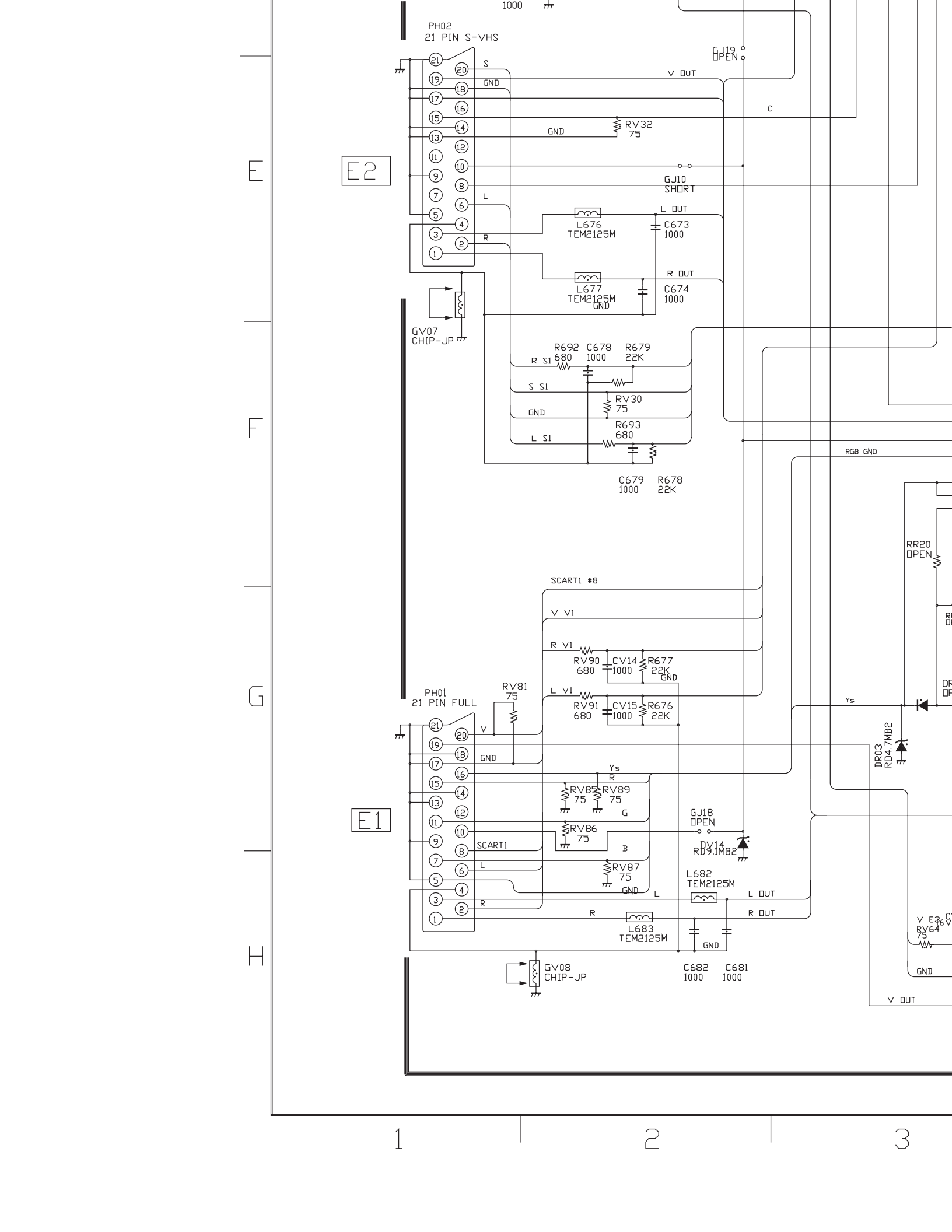
BACK AV/D-IN
40WH08B/46WH08B
56WH08B

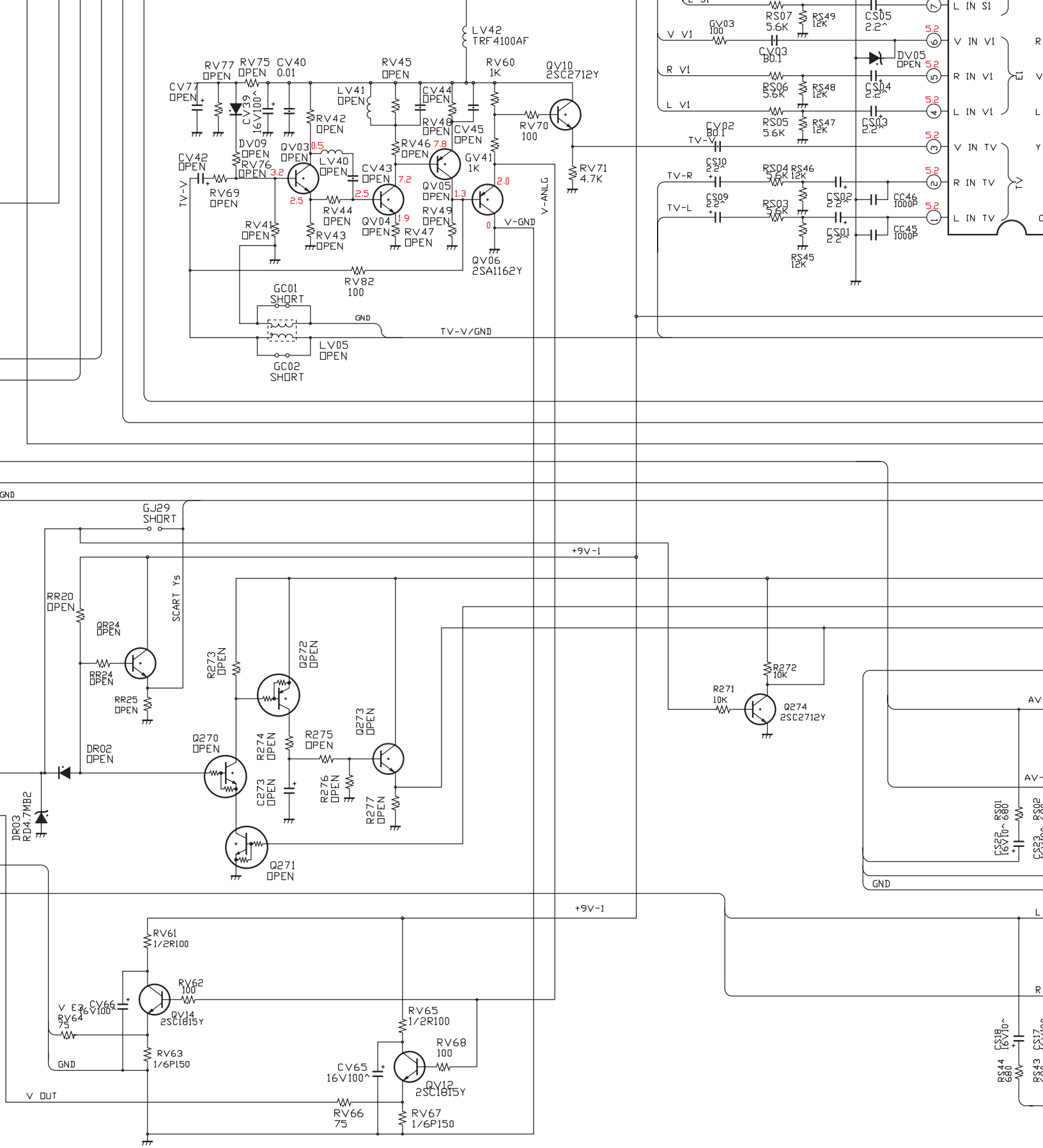

1
2
3
A
B
C
D
U910A BACK AV
PB9489 -1
B&G=A
EXT INT
WOOFER-OUT
L632 TEM2125M
L631 TEM2125M
P631 1PIN-JACK
R643 100K
R644 100K
R645 1K
S631 SLIDE SW
C642 0.47^
Q634 RN2404
R646 680
R647 22K
C643 1000
R648 22K
Q635 2SC3326B
AUDIO OUT (FIX)
L
R
LS45 TEM2125M
LS46 TEM2125M
CS12 1000
CS13 1000
RS15 100K
RS16 100K
GND
MONI-L
MONI-R
QS01 2SC3326B
QS02 2SC3326B
CS14 10^
CS15 10^
RS17 22K
RS18 22K
GS01 CHIP-JP
+9V
QS03 2SC2712Y
QS04 2SC2712Y
RS19 680
RS20 680
RS21 2.2K
RS22 2.2K
RS23 100
RS24 100
AV
DVD COMP.
Y
CB
CR
RV95 75
RV96 75
RV97 75
PV01 S-2P PHON JACK
S S2
GND
L S2
R S2
C S2
PH03 21 PIN S-VHS
RV37 75
RV31 75
E3
RV12 680
LV07 TEM2125M
LV06 TEM2125M
L684 TRF41R0AF
L685 TRF41R0AF
RV13 680
CV19 1000
CV17 1000
CV18 1000
CV16 1000
PH02 21 PIN S-VHS
CJ19 OPEN
V OUT


3
4
5
6
TO P602A
ON SIGNAL BOARD
AUDIO Vcc (+27V)
WOOFER SW (INT/EXT)
WOOFER LEVEL
WOOFER MUTE
BASS BOOST
GND AUDIO
WOOFER OUT
WOOFER
M602
SHIELED WIRE
P602B
7P2.5mm
C643 1000
R648 22K
Q635 2SC3326B
R631 1/2R1.2K
C631 M0.47
Q632 RN2404
R641 15K
R642 10K
Q633 2SC3326B
R634 10K
Q631 BA4558 (RA) TA75458R(RB)
C632 10^
R633 100
C634 10^
C641 10^
C640 10^
R640 15K
R639 15K
C639 M0.01
R632 10K
C633 1000
C635 0.01
R635 56K
R638 56K
C638 0.01
D631 RD22MB2
R637 10K
R636 10K
C636 10^
C637 35V100^
AV-L
QS04 2SC2712Y
AV-R
RS24 100
RS22 2.2K
RV35 OPEN
CV11 OPEN
RV18 OPEN
SYNC-AV
GV11 CHIP-JP
RV29 10K
RV28 5.6K
DV12 OPEN
SYNC OUT
I/O3
V IN V2
R IN V2
L IN V2
GND
SCART2 #8
RV08 10K
RV33 5.6K
DV06 OPEN
I/O2
QV01 MM1495XD
GV35 100
CV35 0.01
C S2
DV01 OPEN
C IN S2
R S2
RS10 5.6K
RS52 12K
CS08 2.2^
GV06 100
CV06 B0.1
S S2
Y/V IN S2
GND
DV02 OPEN
L S2
RS09 5.6K
RS51 12K
CS07 2.2^
L IN S2
SCART1 #8
RV07 10K
RV34 5.6K
DV07 OPEN
I/O1
GV05 100
CV05 0.01
C S1
C IN S1
DV03 OPEN
R S1
RS08 5.6K
RS50 12K
CS06 2.2^
R IN S1
GV04 100
CV04 B0.1
S S1
Y/V IN S1
GND
DV04 OPEN
L S1
RS07 5.6K
RS49 12K
CS05 2.2^
L IN S1
LV42 TRF4100AF
RV77 OPEN
RV75 OPEN
CV40 0.01
RV45 OPEN
RV60 1K
QV10 2SC2712Y
LV41
CV44
GV03 100
V V1
CV03 B0.1
DV05 OPEN
V IN V1
R V1
RS06
RS48 12K
CS04
R IN V1
E3
E2
E1

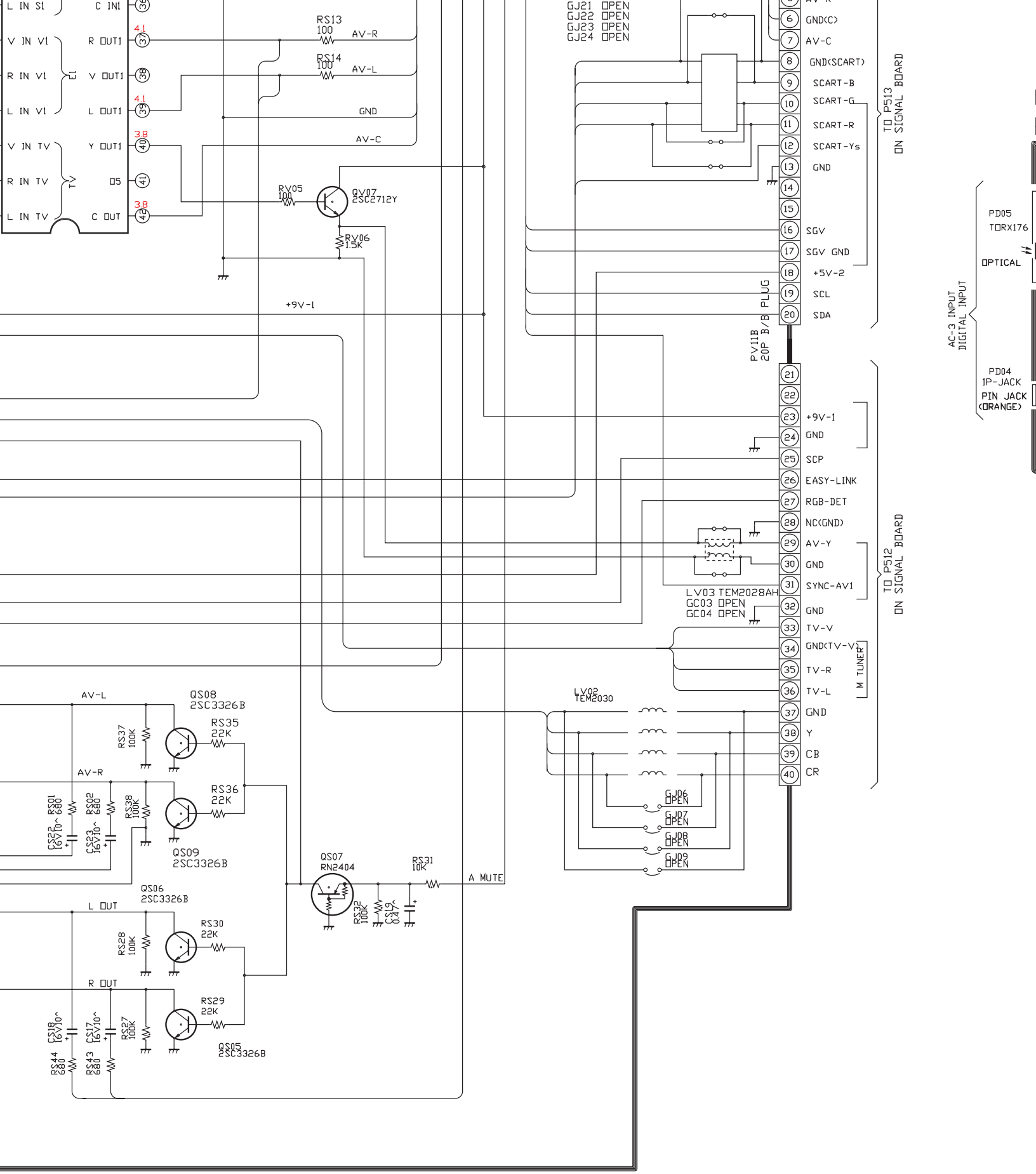

7
8
9
10
TO FRONT
NC
C S2
GND(C-S2)
NC
S S2
GND(S-S2)
L S2
R S2
GND
PV15B
9P
GJ01
SHORT
LV01
OPEN
GJ02
SHORT
SGV GND
SGV
TO FRONT
GND
L
GND
R
P660B
4P
L678
SHORT
L686
SHORT
L681
SHORT
TO S
C1
CGND
C2
R682
1/6 1K
R683
1/6 1K
R
L
S601
EXT
INT
GND
LV43
TRF4100AF
RV23
1/2R100
CV23
16V100^
CV24
0.01
QV09
2SC1815Y
RV25
100
RV27
75 V-AV
RV26
1/6P180
GND
SYNC OUT
I/O3
V IN V2
R IN V2
L IN V2
I/O2
C IN S2
R IN S2
Y/V IN S2
L IN S2
I/O1
C IN S1
R IN S1
Y/V IN S1
L IN S1
V IN V1
R IN V1
QV01
MM1495XD
SCL
SDA
CLAMP
BIAS
R OUT TV
L OUT TV
V OUT2
GND
Y IN2
R OUT2
C IN2
L OUT2
Y IN1
VCC
C IN1
R OUT1
V OUT1
E3
E2
E1
RV09
100
SCL
RV10
100
SDA
CV09
0.047^
CV10
16V22^
DS04
OPEN
DS03
OPEN
DS02
OPEN
DS01
OPEN
R
GND
L
CV12
0.1
LV09
TRF4100AF
+9V
CV08
16V100^
RS13
100
AV-R
RS14
100
AV-L
PV10B
20P B/B PLUG
A-MUTE
GND
AV-L
AV-R
GND(C)
AV-C
GND(SCART)
SCART-B
LV20 TEM2030AY
GJ21 OPEN
GJ22 OPEN
GJ23 OPEN
GJ24 OPEN

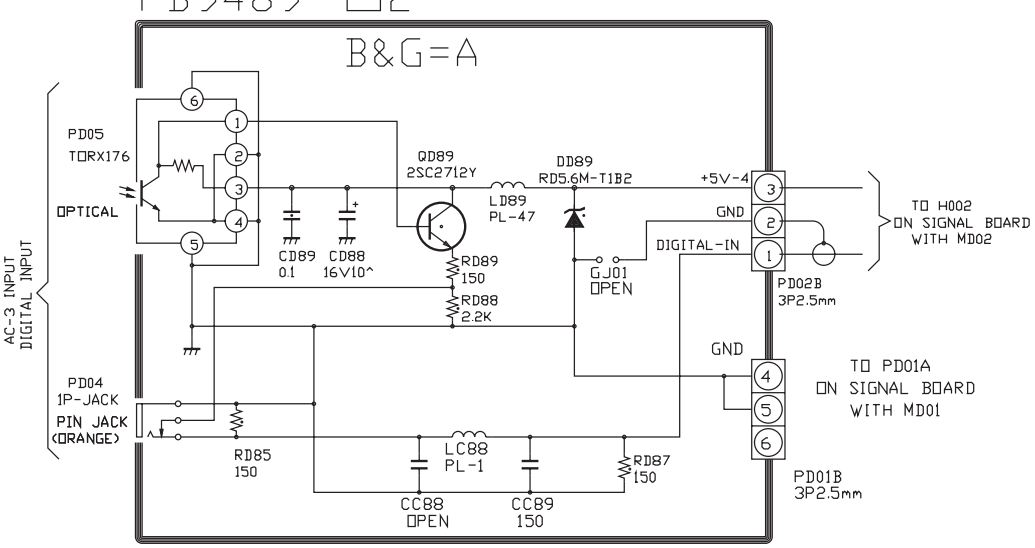

10
11
12
A
B
C
D
TO SIGNAL
C1
CGND
C2
EXT SP
SR
GND
SL
NC
P604B
8P
R682
1/6 1K
R683
1/6 1K
L687
SHORT
L688
SHORT
L689
SHORT
P601
4P
W661
SPK-1390
R-SP
W662
SPK-1390
L-SP
CC30
0.01
R671
1/6 1K
CC01
1000P
L671
TEM2130AM
CC13
0.01
GND
CC02
1000P
R672
1/6 1K
GND
L672
TEM2130AM
CC12
0.01
EXT SP
CC32
0.01
CC03
1000P
L673
TEM2130AM
P004
8PSPTERM
GND
CC05
0.01
L674
TEM2130AM
CC06
0.01
R
L
SURRUND SP
AR673
1/6 1K
CC04
1000P
R675
A
1/6 1K
GND


1000
PH02
21 PIN S-VHS
S
GND
C
RV32
75
GND
E2
GJ10
SHORT
L
L OUT
L676
TEM2125M
C673
1000
R
R OUT
L677
TEM2125M
GND
C674
1000
GV07
CHIP-JP
R692 C678 R679
680 1000 22K
R S1
S S1
RV30
75
GND
R693
680
L S1
C679 R678
1000 22K
GJ19
OPEN
V OUT
RGB GND
RR20
OPEN
SCART1 #8
V V1
R V1
RV90 CV14 R677
680 1000 22K
GND
L V1
RV91 CV15 R676
680 1000 22K
PH01
21 PIN FULL
RV81
75
V
GND
Ys
R
RV85 RV89
75 75
G
RV86
75
B
RV87
75
GND
SCART1
L
R
E1
GJ18
OPEN
DV14
RD9.1MB2
L682
TEM2125M
L OUT
L
R
R OUT
L683
TEM2125M
GND
C682 C681
1000 1000
GV08
CHIP-JP
Ys
DR03
RD4.7MB2
V E3
RV64
75
GND
V OUT
E
F
G
H
1
2
3


LV42
TRF4100AF
RV77 OPEN
RV75 OPEN
CV40 0.01
CV77 OPEN
CV39 16V100^
RV45 OPEN
RV60 1K
QV10 2SC2712Y
LV41 OPEN
CV44 OPEN
RV42 OPEN
RV40 OPEN
CV45 OPEN
RV70 100
RV71 4.7K
DV09 OPEN
RV76 OPEN
QV03 OPEN
LV40 OPEN
RV46 OPEN
GV41 1K
CV42 OPEN
RV69 OPEN
CV43 OPEN
QV05 OPEN
RV44 OPEN
QV04 OPEN
RV49 OPEN
RV47 OPEN
RV41 OPEN
RV43 OPEN
V-GND
V-ANLG
QV06 2SA1162Y
RV82 100
GC01 SHORT
GND
TV-V/GND
LV05 OPEN
GC02 SHORT
TV-V
V V1
R V1
L V1
GV03 100
CV03 B0.1
RS07 5.6K
RS49 12K
CS05 2.2^
DV05 OPEN
RS06 5.6K
RS48 12K
CS04 2.2^
RS05 5.6K
RS47 12K
CS03 2.2^
CV02 B0.1
RS04 5.6K
RS46 12K
CS10 2.2^
CS02 2.2^
CC46 1000P
RS03 5.6K
CS09 2.2^
CS01 2.2^
CC45 1000P
RS45 12K
L IN S1
V IN V1
R IN V1
L IN V1
V IN TV
R IN TV
L IN TV
J1
TV
TV-R
TV-L
GJ29 SHORT
+9V-1
SCART Ys
RR20 OPEN
QR24 OPEN
RR24 OPEN
RR25 OPEN
R273 OPEN
Q272 OPEN
R272 10K
R271 10K
Q274 2SC2712Y
Q270 OPEN
R274 OPEN
R275 OPEN
Q273 OPEN
DR02 OPEN
C273 OPEN
R276 OPEN
R277 OPEN
DR03 RD4.7MB2
Q271 OPEN
AV
AV-
CS22 16V10^
RS01 680
GND
+9V-1
RV61 1/2R100
RV62 100
V E3
CV66 16V100^
QV14 2SC1815Y
RV64 75
RV63 1/6P150
GND
RV65 1/2R100
RV68 100
CV65 16V100^
QV12 2SC1815Y
V OUT
RV66 75
RV67 1/6P150
CS18 16V10^
RS44 680
CS17
RS43

3 4 5 6

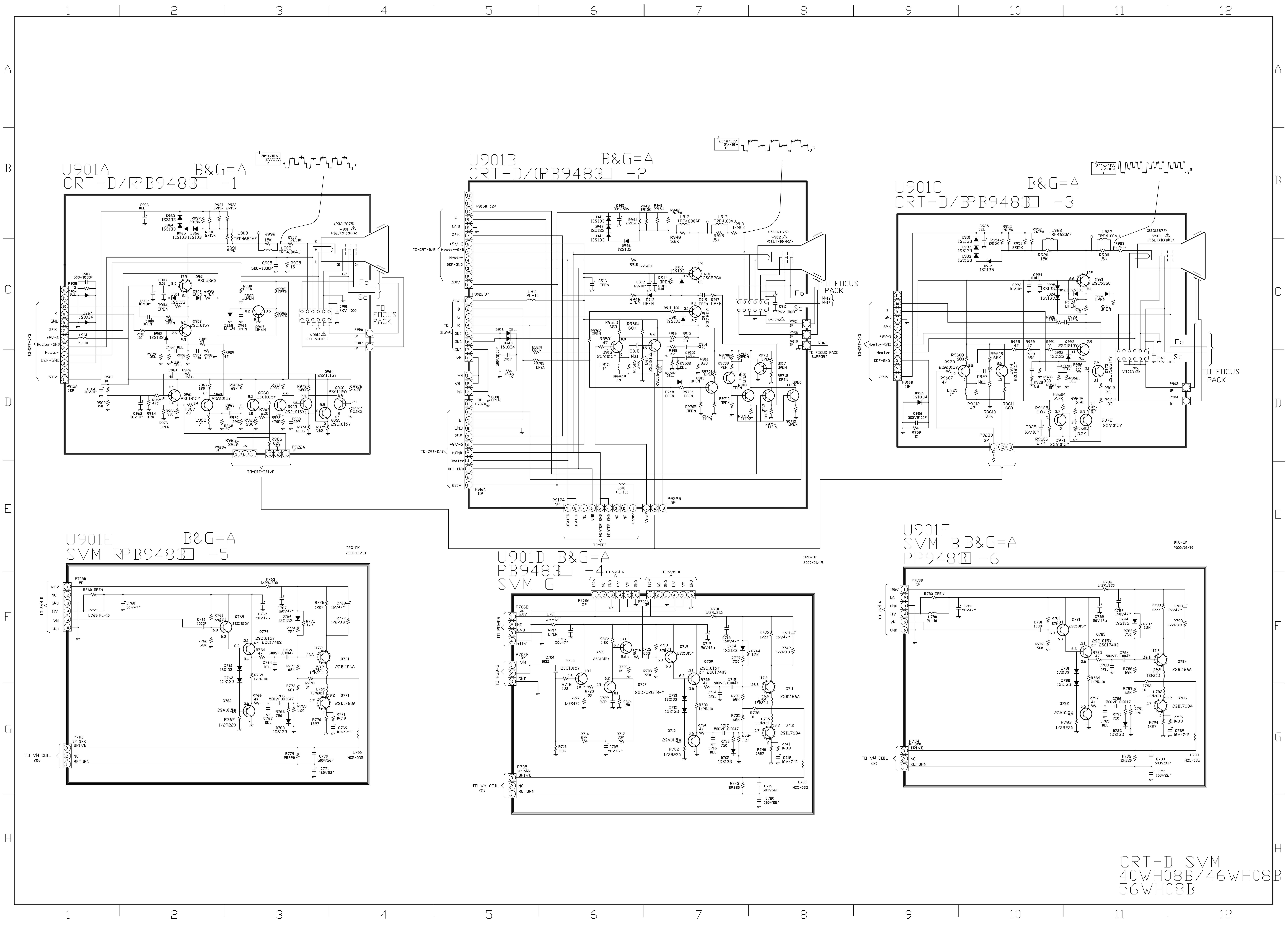

L IN S1
C IN1
V IN V1
R OUT1
R IN V1
V OUT1
L IN V1
L OUT1
E1
V IN TV
Y OUT1
R IN TV
D5
L IN TV
C OUT
TV
RS13 100 AV-R
RS14 100 AV-L
GND
AV-C
RV05 100
QV07 2SC2712Y
RV06 1.5K
+9V-1
GJ21 OPEN
GJ22 OPEN
GJ23 OPEN
GJ24 OPEN
GND(C)
AV-C
GND(SCART)
SCART-B
SCART-G
SCART-R
SCART-Ys
GND
SGV
SGV GND
+5V-2
SCL
SDA
TO P513 ON SIGNAL BOARD
PV11B 20P B/B PLUG
PD05 TORX176
OPTICAL
AC-3 INPUT DIGITAL INPUT
PD04 1P-JACK PIN JACK (ORANGE)
+9V-1
GND
SCP
EASY-LINK
RGB-DET
NC(GND)
AV-Y
GND
SYNC-AV1
LV03 TEM2028AH
GC03 OPEN
GC04 OPEN
GND
TV-V
GND(TV-V)
TV-R
TV-L
M TUNER
TO P512 ON SIGNAL BOARD
LV02 TEM2030
GND
Y
CB
CR
GJ06 OPEN
GJ07 OPEN
GJ08 OPEN
GJ09 OPEN
AV-L
QS08 2SC3326B
RS37 100K
RS35 22K
AV-R
RS36 22K
RS38 100K
RS01 680
RS02 680
CS22 16V10
CS23 16V10
QS09 2SC3326B
QS07 RN2404
RS31 10K
A MUTE
RS32 100K
CS19 0.47
QS06 2SC3326B
L OUT
RS28 100K
RS30 22K
R OUT
RS29 22K
RS27 100K
CS18 16V10
CS17 16V10
RS44 680
RS43 680
QS05 2SC3326B



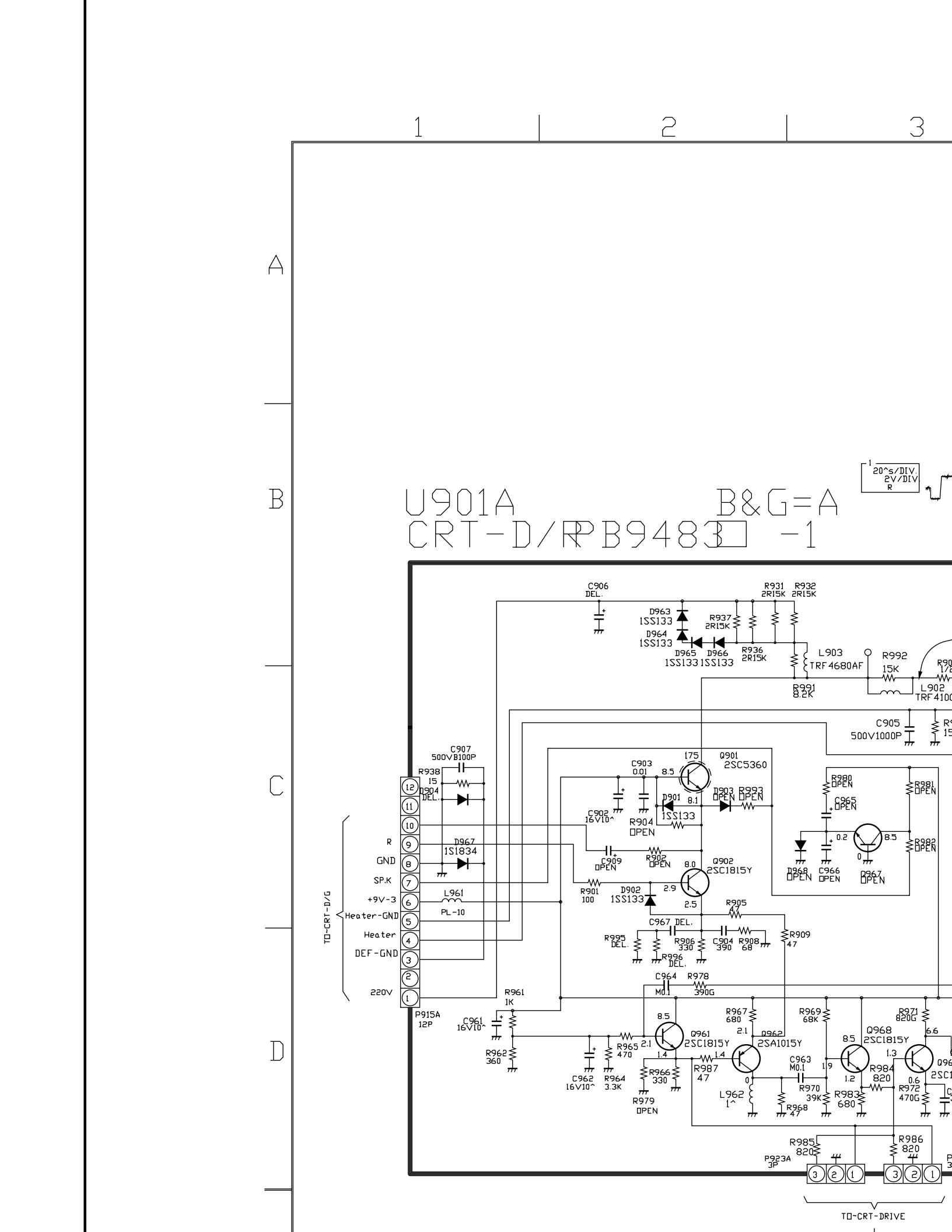
BACK AV/D-IN
40WH08B/46WH08B
56WH08B

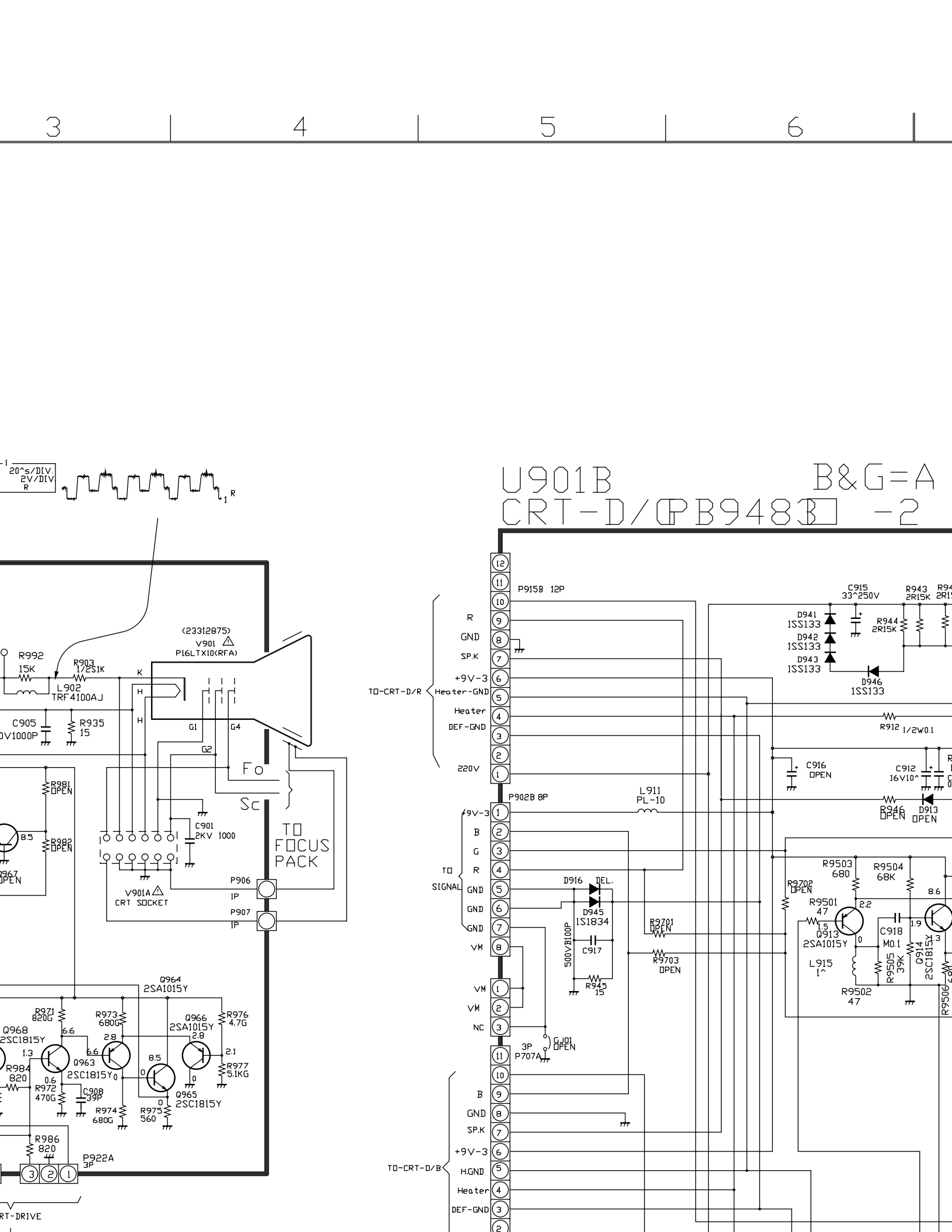
E F G H

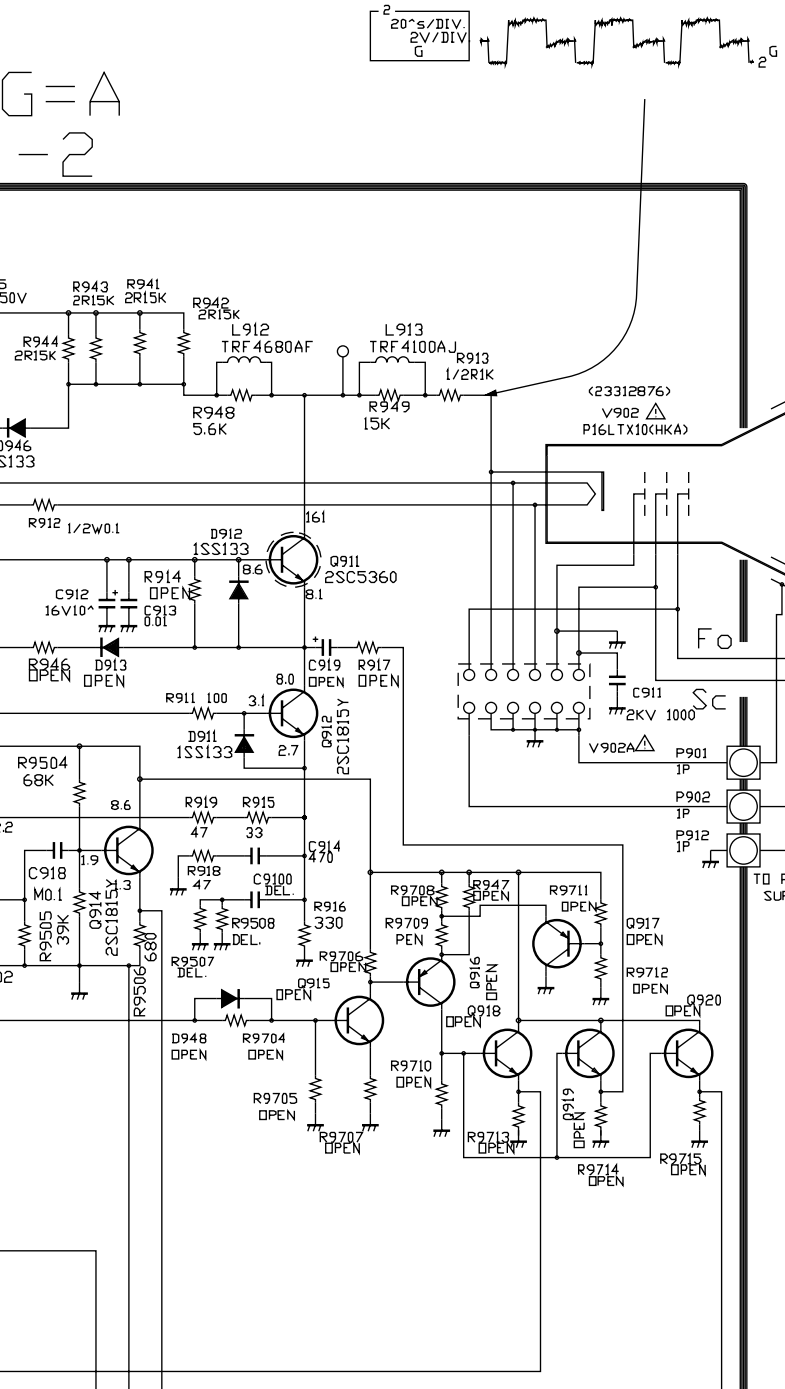
10 11 12


U901A B&G=A
CRT-D/R PB9483 -1
U901B B&G=A
CRT-D/G PB9483 -2
U901C B&G=A
CRT-D/B PB9483 -3
U901D B&G=A
PB9483 -4
SVM G
U901E B&G=A
SVM R PB9483 -5
U901F
SVM B B&G=A
PP9483 -6
TO FOCUS PACK
TO-CRT-DRIVE
TO-DEF
TO SVM R
TO SVM B
TO POWER
TO RGB-G
TO VM COIL (R)
TO VM COIL (G)
TO VM COIL (B)
DRC=OK
2000/01/19

CRT-D SVM
40WH08B/46WH08B
56WH08B

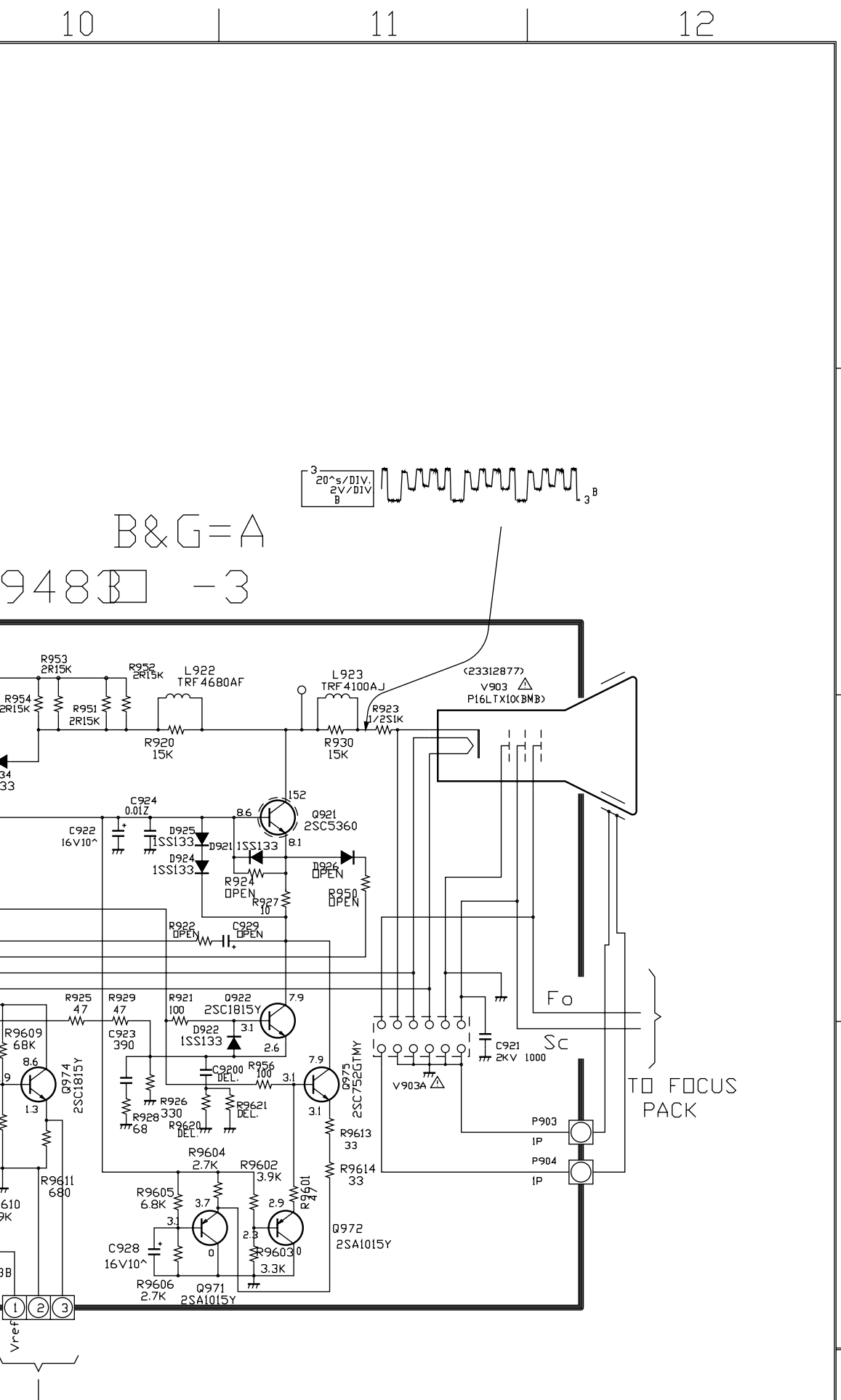

1
2
3
A
B
C
D
U901A
B&G=A
CRT-D/RP B9483□ -1
20^s/DIV.
2V/DIV
R
C906 DEL.
R931 2R15K
R932 2R15K
D963 1SS133
D964 1SS133
R937 2R15K
D965 1SS133
D966 1SS133
R936 2R15K
L903 TRF4680AF
R992 15K
R991 8.2K
L902 TRF410
C905 500V1000P
C907 500VB100P
R938 15
D904 DEL.
C903 0.01
Q901 2SC5360
D901 1SS133
R903 OPEN
R993 OPEN
C902 16V10^
R904 OPEN
R980 OPEN
R981 OPEN
C965 OPEN
D968 OPEN
C966 OPEN
Q967 OPEN
R982 OPEN
D967 1S1834
C909 OPEN
R902 OPEN
Q902 2SC1815Y
R901 100
D902 1SS133
R905 47
C967 DEL.
R995 DEL.
R906 330
C904 390
R908 68
R909 47
R996 DEL.
C964 M0.1
R978 390G
R961 1K
C961 16V10^
R962 360
Q961 2SC1815Y
R965 470
C962 16V10^
R964 3.3K
R966 330
R979 OPEN
R987 47
Q962 2SA1015Y
R967 680
R969 68K
R971 820G
Q968 2SC1815Y
C963 M0.1
L962 1^
R970 39K
R968 47
R984 820
R983 680
R972 470G
R985 820
R986 820
P923A 3P
L961 PL-10
P915A 12P
R
GND
SP.K
+9V-3
Heater-GND
Heater
DEF-GND
220V
TO-CRT-D/G
TO-CRT-DRIVE

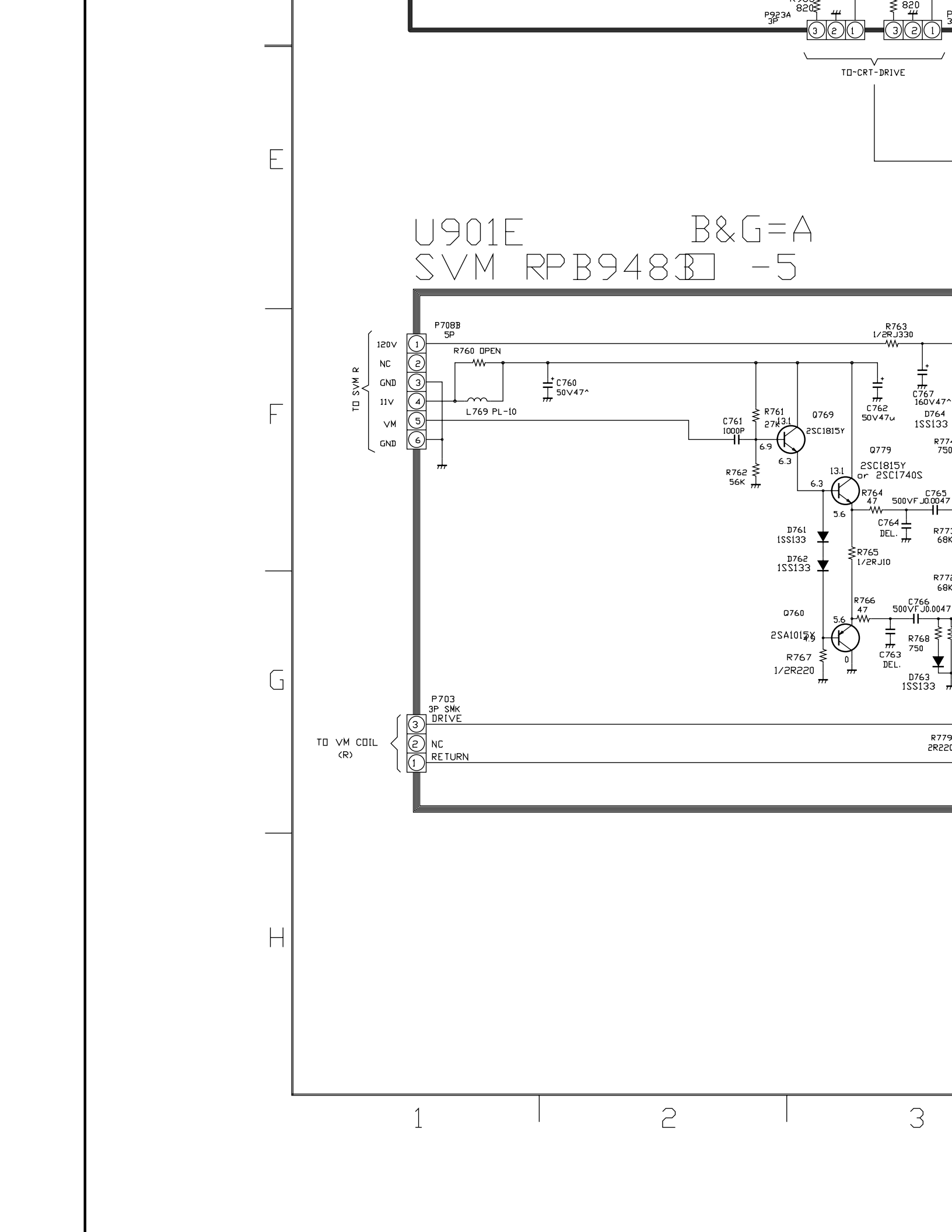

3
4
5
6
20^s/DIV.
2V/DIV
R
R992
15K
R903
1/2S1K
L902
TRF4100AJ
C905
0V1000P
R935
15
(23312875)
V901
P16LTX10(RFA)
K
H
G1
G4
G2
Fo
Sc
TO
FOCUS
PACK
C901
2KV 1000
V901A
CRT SOCKET
P906
IP
P907
IP
R981
OPEN
R982
OPEN
8.5
Q967
OPEN
Q964
2SA1015Y
R971
820G
R973
680G
Q966
2SA1015Y
R976
4.7G
Q968
2SC1815Y
6.6
2.8
1.3
Q963
2SC1815Y
R984
820
0.6
R972
470G
C908
39P
8.5
R977
5.1KG
R974
680G
R975
560
Q965
2SC1815Y
R986
820
P922A
3P
RT-DRIVE
U901B
CRT-D/(P)B9483□ -2
B&G=A
P915B 12P
R
GND
SP.K
+9V-3
Heater-GND
Heater
DEF-GND
220V
TO-CRT-D/R
P902B 8P
+9V-3
B
G
R
GND
GND
GND
VM
VM
VM
NC
TO
SIGNAL
3P
P707A
G101
OPEN
B
GND
SP.K
+9V-3
H.GND
Heater
DEF-GND
TO-CRT-D/B
L911
PL-10
D916
DEL.
D945
1S1834
500V/B100P
C917
R945
15
R9701
OPEN
R9703
OPEN
C915
33^250V
D941
1SS133
D942
1SS133
D943
1SS133
D946
1SS133
R944
2R15K
R943
2R15K
R912
1/2W0.1
C916
OPEN
C912
16V10^
R946
OPEN
D913
OPEN
R9503
680
R9504
68K
R9702
OPEN
R9501
47
Q913
2SA1015Y
C918
M0.1
L915
1^
R9505
39K
Q914
2SC1815Y
R9502
47
R9506

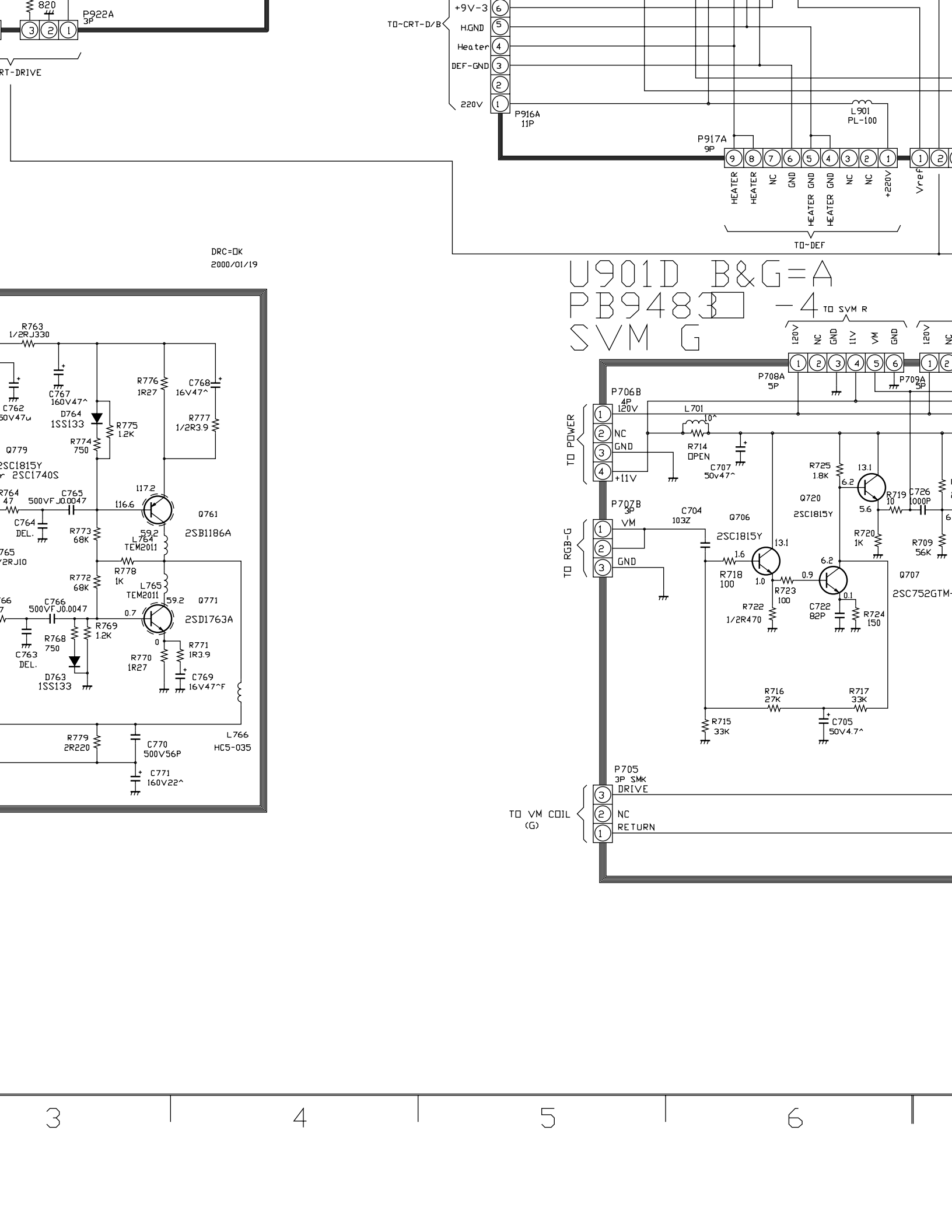

20^s/DIV.
2V/DIV
G
G=A
-2
R943 2R15K
R941 2R15K
R942 2R15K
L912 TRF4680AF
L913 TRF4100AJ
R913 1/2R1K
R944 2R15K
R948 5.6K
R949 15K
R912 1/2W0.1
D912 1SS133
Q911 2SC5360
R914 OPEN
C912 16V10^
C913 0.01
D913 OPEN
R946 OPEN
C919 OPEN
R917 OPEN
R911 100
D911 1SS133
Q912 2SC1815Y
R9504 68K
R919 47
R915 33
C914 470
C918 M0.1
R918 47
C9100 DEL.
R9508 DEL.
R916 330
R9505 39K
Q914 2SC1815Y
R9506 680
R9507 DEL.
R9706 OPEN
Q915 OPEN
D948 OPEN
R9704 OPEN
R9705 OPEN
R9707 OPEN
R9708 OPEN
R9709 PEN
R947 OPEN
R9711 OPEN
Q916 OPEN
Q917 OPEN
R9712 OPEN
Q918 OPEN
Q920 OPEN
R9710 OPEN
R9713 OPEN
Q919 OPEN
R9714 OPEN
R9715 OPEN
<23312876>
V902
P16LTX10(HKA)
TO FOCUS PACK
M418
M417
C911 2KV 1000
SC
V902A
P901 1P
P902 1P
P912 1P
M912
TO FOCUS PACK SUPPORT

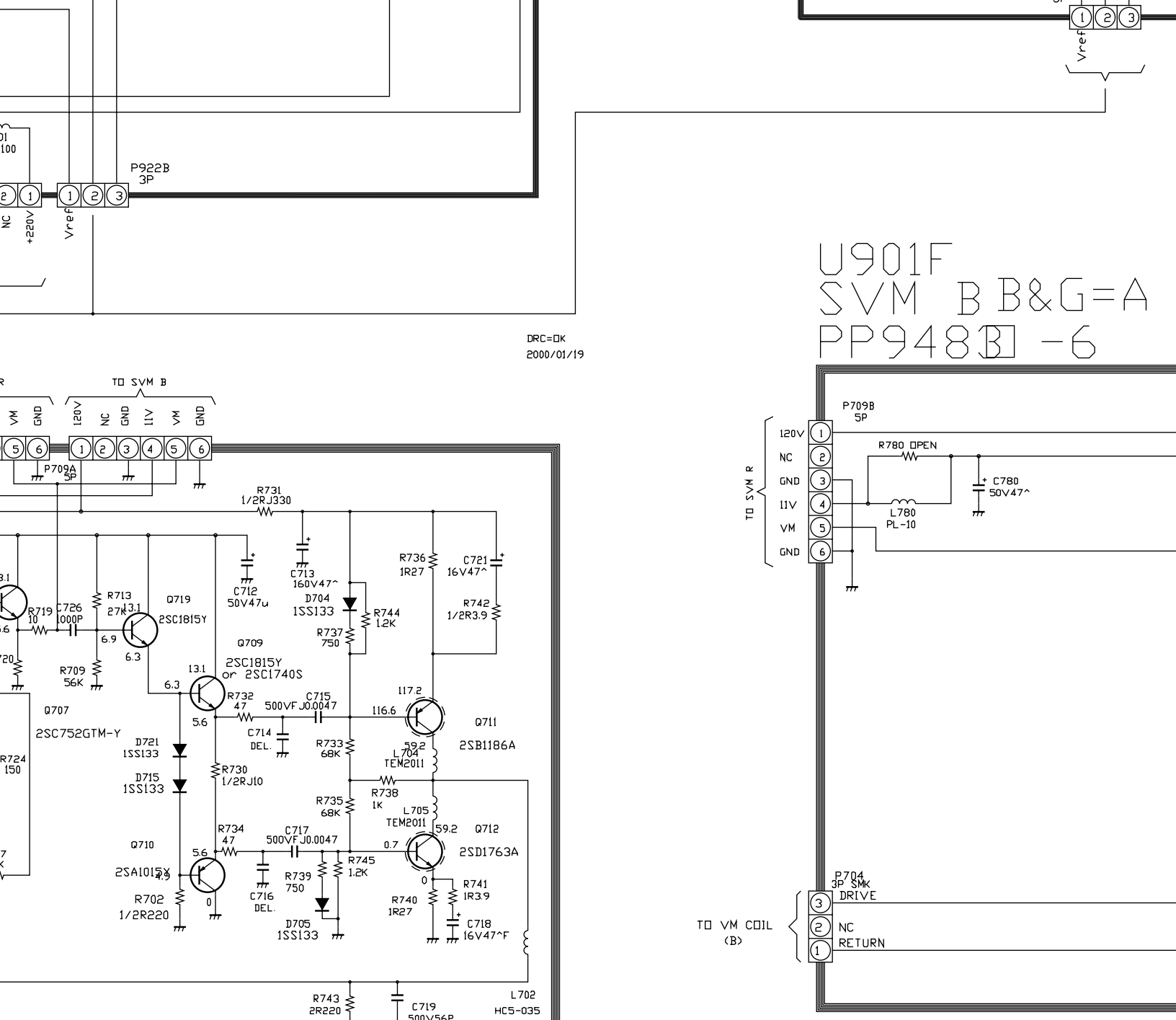
U901C
CRT-D/B

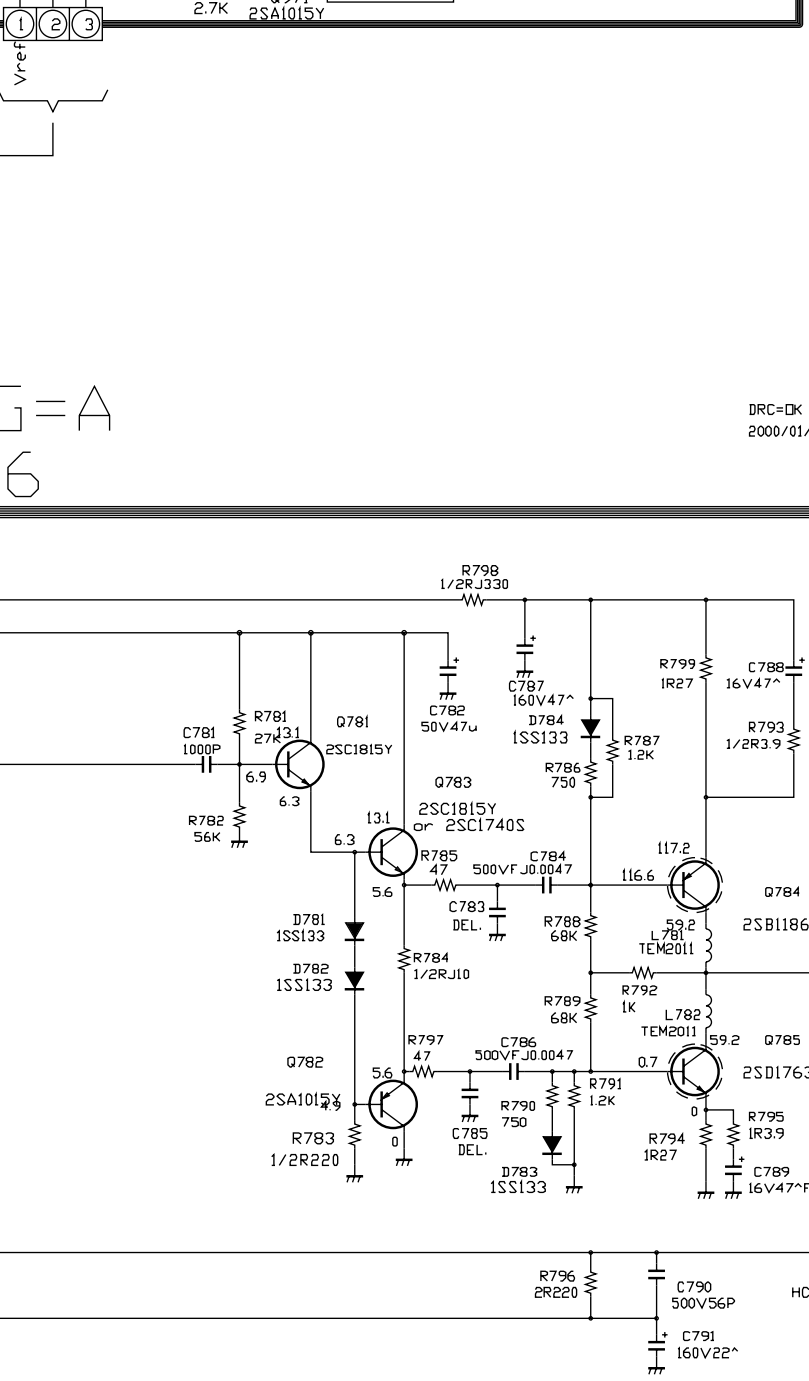
C925 DEL.
R953 2R15K
D931 1SS133
D932 1SS133
D933 1SS133
R954 2R15K
R951 2R15K
D934 1SS133
C922 16V10^
B
GND
SP.K
+9V-3
Heater-GND
Heater
DEF-GND
220V
TO-CRT-D/G
P916B 11P
R925 47
R9608 680
R9609 68K
Q973 2SA1015Y
Q974 2SC1815Y
R9607 47
C927 M0.1
L925 1^
R9612 47
R9610 39K
R9611 680
D936 1S1834
C926 500VB100P
R959 15
P923B 3P
Vref


10
11
12
A
B
C
D
B&G=A
9483 -3
3
20^s/DIV.
2V/DIV
B
3B
R953
2R15K
R952
2R15K
L922
TRF4680AF
L923
TRF4100AJ
(23312877)
V903
P16LTX10(BMB)
R954
2R15K
R951
2R15K
R920
15K
R930
15K
R923
1/2S1K
34
33
C924
0.01Z
152
8.6
Q921
2SC5360
C922
16V10^
D925
1SS133
D921
1SS133
8.1
D924
1SS133
R924
OPEN
D926
OPEN
R927
10
R950
OPEN
R922
OPEN
C929
OPEN
R925
47
R929
47
R921
100
Q922
2SC1815Y
7.9
D922
1SS133
3.1
2.6
C923
390
C9200
DEL.
R956
100
3.1
7.9
Q975
2SC5200TMY
R9609
68K
8.6
Q974
2SC1815Y
1.3
R926
330
R928
68
R9620
DEL.
R9621
DEL.
V903A
C921
2KV 1000
Fo
Sc
TO FOCUS
PACK
P903
1P
P904
1P
R9613
33
R9614
33
R9604
2.7K
R9602
3.9K
R9605
6.8K
3.7
2.9
R9601
470
3.1
2.3
Q972
2SA1015Y
C928
16V10^
0
R96030
3.3K
R9606
2.7K
Q971
2SA1015Y
R9611
680
610
9K
3B
1
2
3
Vref

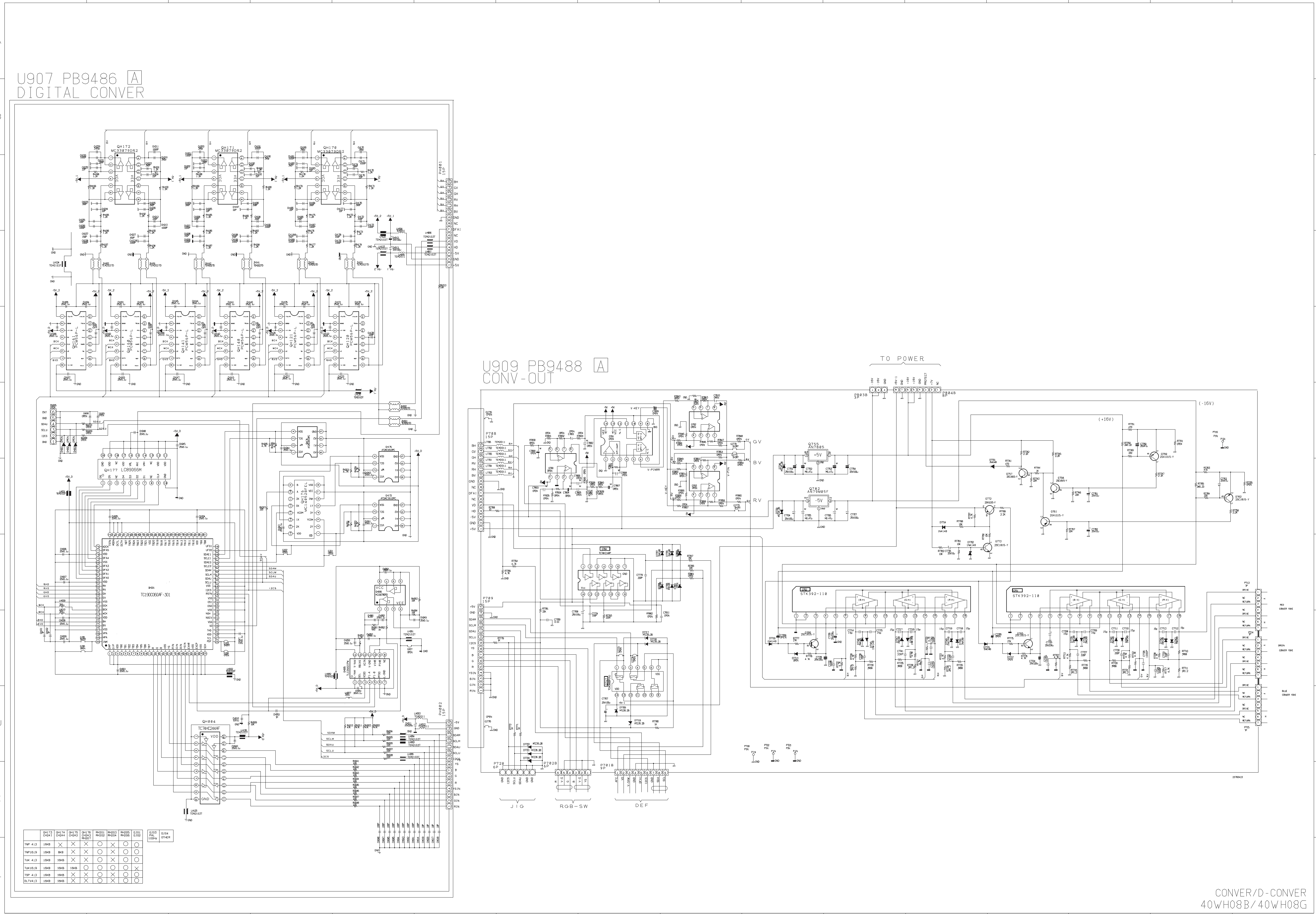

P923A
3P
820
820
3
2
1
TO-CRT-DRIVE
U901E
B&G=A
SVM RPB948□ -5
P708B
5P
TO SVM R
120V
NC
GND
11V
VM
GND
R760 OPEN
L769 PL-10
C760
50V47^
R763
1/2RJ330
C762
50V47u
C767
160V47^
D764
1SS133
R761
27K
C761
1000P
Q769
2SC1815Y
13.1
6.9
6.3
R762
56K
Q779
2SC1815Y
or 2SC1740S
13.1
6.3
R764
47
5.6
C765
500VF J0.0047
C764
DEL.
D761
1SS133
D762
1SS133
R765
1/2RJ10
R766
47
C766
500VF J0.0047
Q760
2SA1015Y
5.6
4.9
0
R767
1/2R220
C763
DEL.
R768
750
D763
1SS133
P703
3P SMK
DRIVE
NC
RETURN
TO VM COIL
(R)
E
F
G
H
1
2
3


820
P922A
3P
RT-DRIVE
TO-CRT-D/B
+9V-3
H.GND
Heater
DEF-GND
220V
P916A
11P
L901
PL-100
P917A
9P
HEATER
HEATER
NC
GND
HEATER GND
HEATER GND
NC
NC
+220V
Vref
TO-DEF
DRC=OK
2000/01/19
U901D B&G=A
PB9483 -4
SVM G
TO SVM R
120V
NC
GND
11V
VM
GND
P708A
5P
P709A
5P
P706B
4P
120V
NC
GND
+11V
TO POWER
L701
10^
R714
OPEN
C707
50V47^
P707B
3P
VM
GND
TO RGB-G
C704
103Z
Q706
2SC1815Y
R718
100
R723
100
R722
1/2R470
C722
82P
R724
150
Q720
2SC1815Y
R725
1.8K
R719
10
C726
1000P
R720
1K
R709
56K
Q707
2SC752GTM-
R716
27K
R717
33K
R715
33K
C705
50V4.7^
P705
3P SMK
DRIVE
NC
RETURN
TO VM COIL
(G)
R763
1/2RJ330
C762
50V47u
C767
160V47^
D764
1SS133
R775
1.2K
R774
750
R776
1R27
C768
16V47^
R777
1/2R3.9
Q779
2SC1815Y
2SC1740S
R764
47
C765
500VF J0.0047
C764
DEL.
R773
68K
L764
TEM2011
R778
1K
L765
TEM2011
R772
68K
C766
500VF J0.0047
R768
750
C763
DEL.
D763
1SS133
R769
1.2K
R770
1R27
R771
1R3.9
C769
16V47^F
Q761
2SB1186A
Q771
2SD1763A
R779
2R220
C770
500V56P
C771
160V22^
L766
HC5-035


P922B
3P
NC
+220V
Vref
Vref
U901F
SVM B B&G=A
PP948B -6
DRC=OK
2000/01/19
TO SVM B
P709A
5P
VM
GND
120V
NC
GND
11V
VM
GND
R731
1/2RJ330
C712
50V47u
C713
160V47^
D704
1SS133
R744
1.2K
R737
750
R736
1R27
C721
16V47^
R742
1/2R3.9
Q719
2SC1815Y
R719
10
C726
1000P
R713
27K
R709
56K
Q709
2SC1815Y
or 2SC1740S
Q707
2SC752GTM-Y
R732
47
C715
500VFJ0.0047
C714
DEL.
R733
68K
L704
TEM2011
Q711
2SB1186A
R738
1K
L705
TEM2011
R735
68K
D721
1SS133
D715
1SS133
R730
1/2RJ10
R734
47
C717
500VFJ0.0047
Q710
2SA1015Y
R745
1.2K
R739
750
C716
DEL.
D705
1SS133
R702
1/2R220
R740
1R27
R741
1R3.9
C718
16V47^F
Q712
2SD1763A
R743
2R220
C719
500V56P
C720
160V22^
L702
HC5-035
P709B
5P
TO SVM R
120V
NC
GND
11V
VM
GND
R780 OPEN
C780
50V47^
L780
PL-10
P704
3P SMK
DRIVE
NC
RETURN
TO VM COIL
(B)



CRT-D SVM
40WH08B/46WH08B
56WH08B

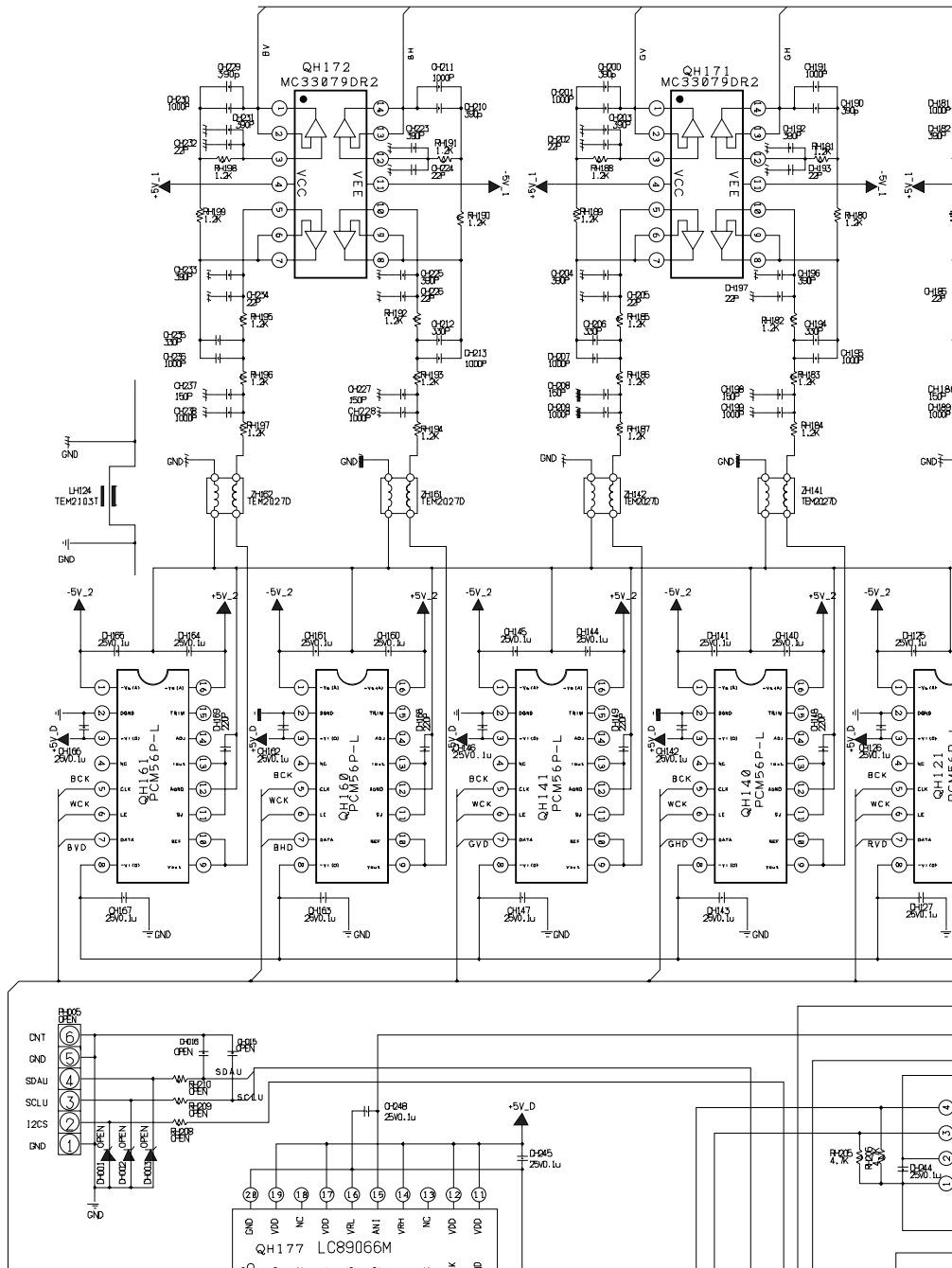

U907 PB9486 A
DIGITAL CONVER
U909 PB9488 A
CONV-OUT
TO POWER
QH172 MC33079DR2
QH171 MC33079DR2
QH170 MC33079DR2
QH161 PCM56P-L
QH160 PCM56P-L
QH141 PCM56P-L
QH140 PCM56P-L
QH121 PCM56P-L
QH120 PCM56P-L
QH177 LC89066M
QH001 TC190C060AF-301
QH004 TC74HC244AF
QH176 MC14052BFEL
QH174 AT24C1610PC
QH175 AT24C1610PC
QH173 AT24C1610PC
QH006 MC33078DR2
QH005 TLC2932IPW
PH001 15P
PH002 15P
P708 15P
P709 15P
P803B 3P
P804B 8P
Q755 AN7805
Q782 AN79M05F
Q764 TC74HC14AP
Q767 TC4066BP(N)
Q752 STK392-110
Q751 STK392-110
Q757 2SC1815-Y
Q758 2SC1815-Y
Q759 2SA1015-Y
Q761 2SA1015-Y
Q762 2SC1815-Y
Q772 2SA1015-Y
Q773 2SC1815-Y
Q765 2SC1815-Y
Q766 2SC1815-Y
(+16V)
(-16V)
P713 7P
P714 7P
P715 7P
RED CONVER YOKE
GREEN CONVER YOKE
BLUE CONVER YOKE
P720 6P
P702B 6P
P701B 9P
JIG
RGB-SW
DEF
23783423

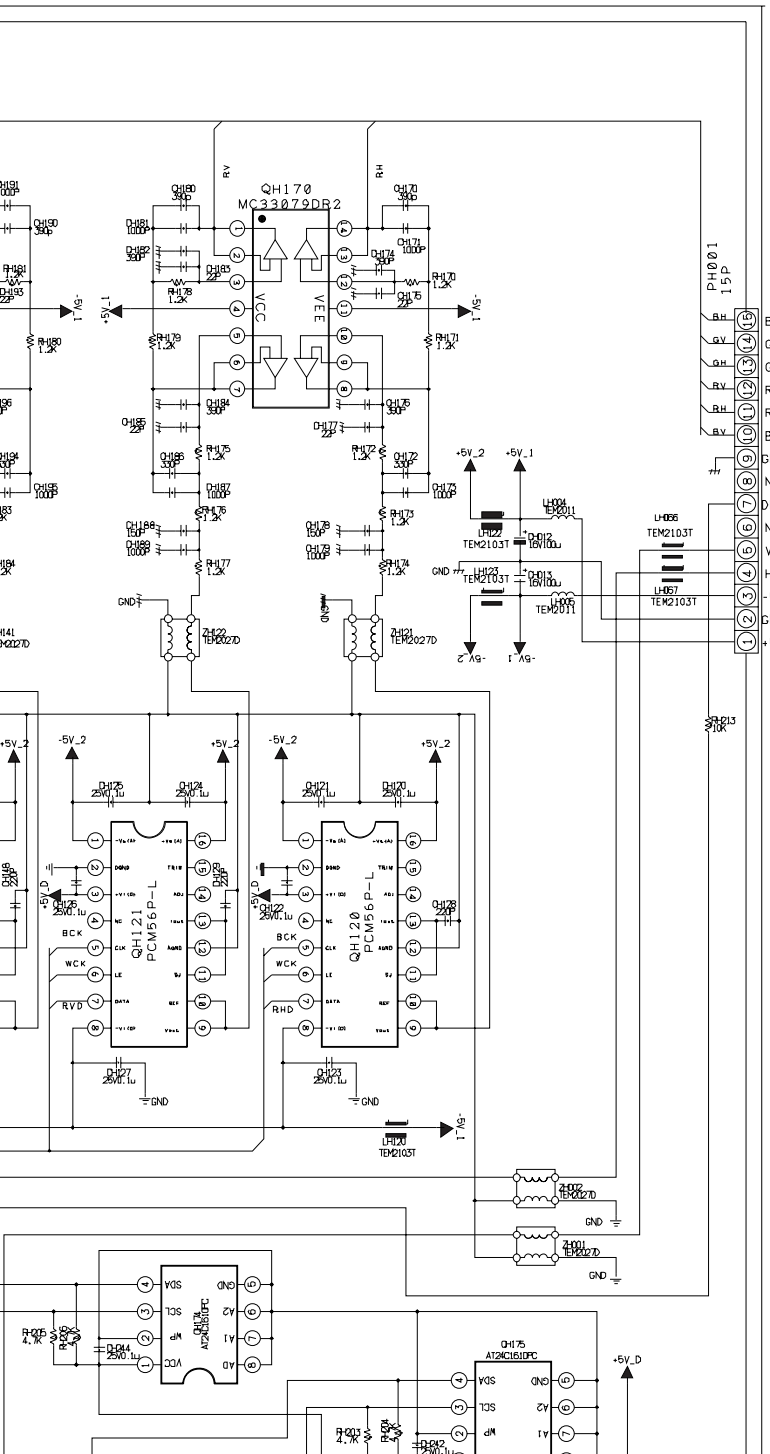
	QH173 CH241	QH174 CH244	QH175 CH242	QH176 CH243 RH207	RH201 RH202	RH203 RH204	RH205 RH206	GJ01 GJ02
TNP 4|3	16KB	×	×	×	○	×	○	○
TNP16|9	16KB	8KB	×	×	○	×	○	○
TUK 4|3	16KB	16KB	×	×	○	×	○	○
TUK16|9	16KB	16KB	16KB	○	○	○	○	×
TSP 4|3	16KB	16KB	×	×	○	×	○	○
DLTV4|3	16KB	16KB	×	×	○	×	○	○

GJ03	GJ04
PAL 100Hz	OTHER

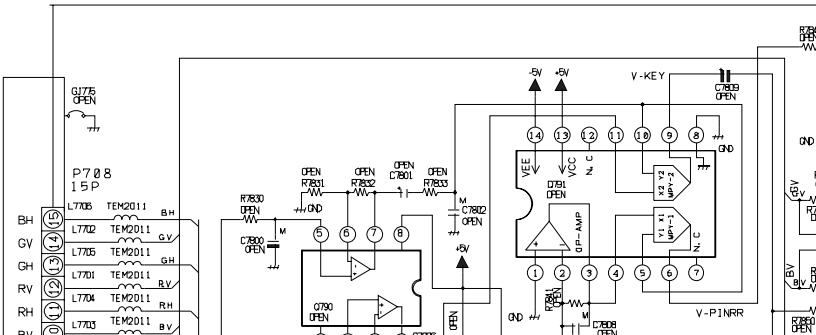
CONVER/D-CONVER
40WH08B/40WH08G

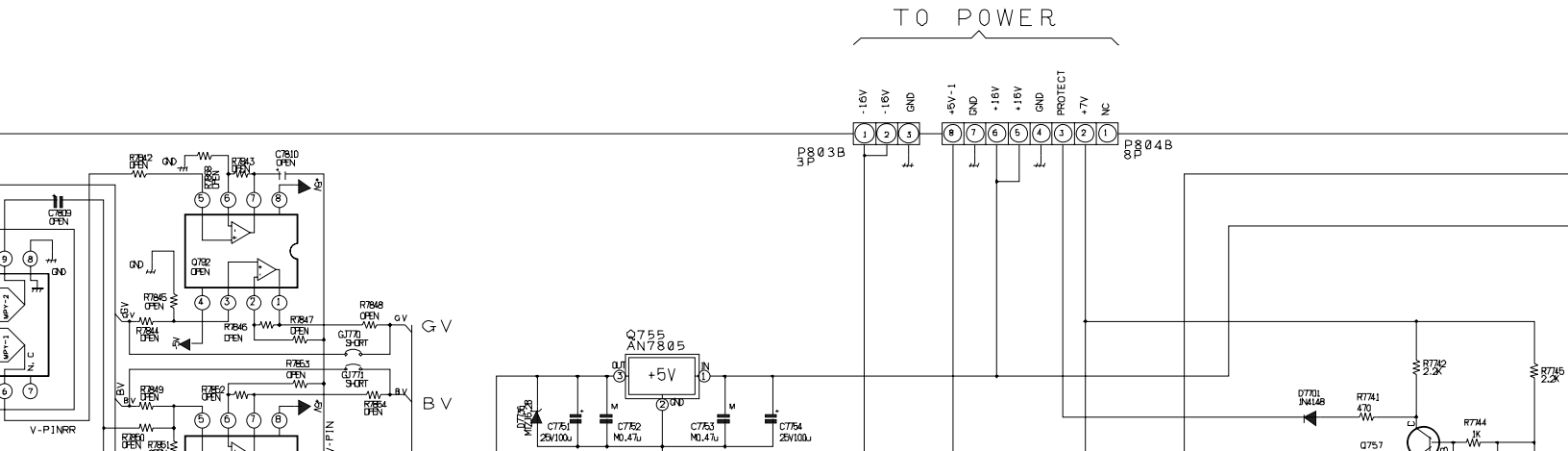
U907 PB9486 [A]
DIGITAL CONVER





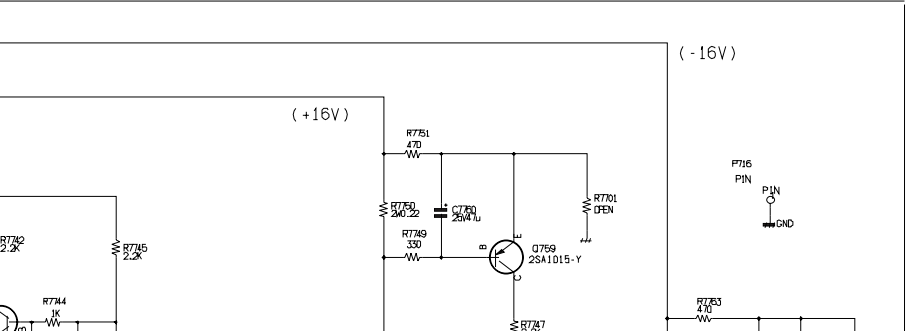
U909 PB9488 A
CONV-OUT

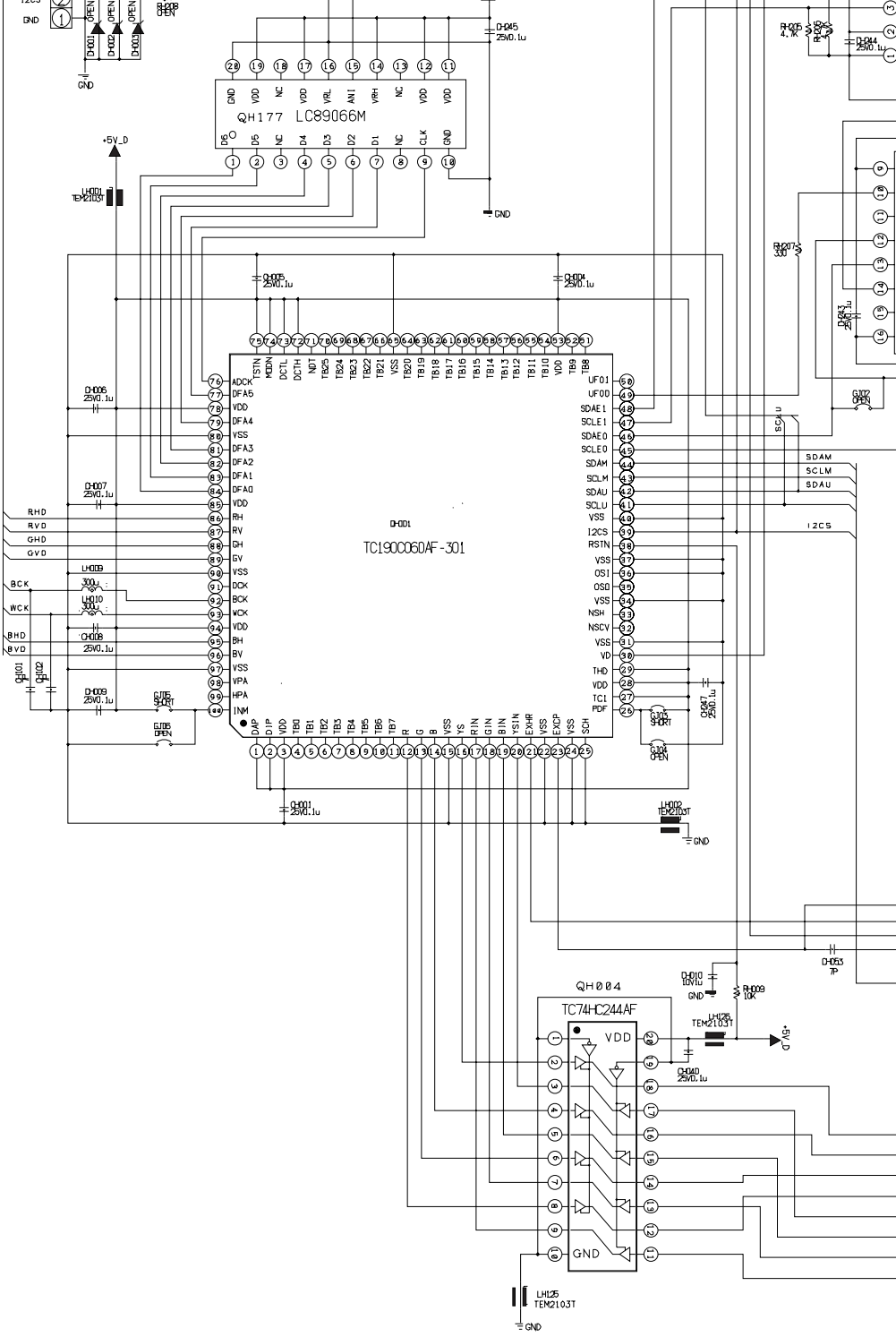



TO POWER
-16V
-16V
GND
+5V-1
GND
+16V
+16V
GND
PROTECT
+7V
NC
P803B
3P
P804B
8P
Q755
AN7805
+5V
OUT
IN
GND
C7751
25V100u
C7752
M0.47u
C7753
M0.47u
C7754
25V100u
D7701
1N4148
R7741
470
R7742
2.2K
R7744
1K
R7745
2.2K
Q757
R7842
OPEN
C7810
OPEN
C7809
OPEN
Q792
OPEN
R7845
OPEN
R7844
OPEN
R7846
OPEN
R7847
OPEN
R7848
OPEN
GV
GJ770
SHORT
R7853
OPEN
GJ771
SHORT
R7849
OPEN
R7852
OPEN
R7854
OPEN
BV
V-PINRR
V-PIN

13 14 15 16

A B C D E F



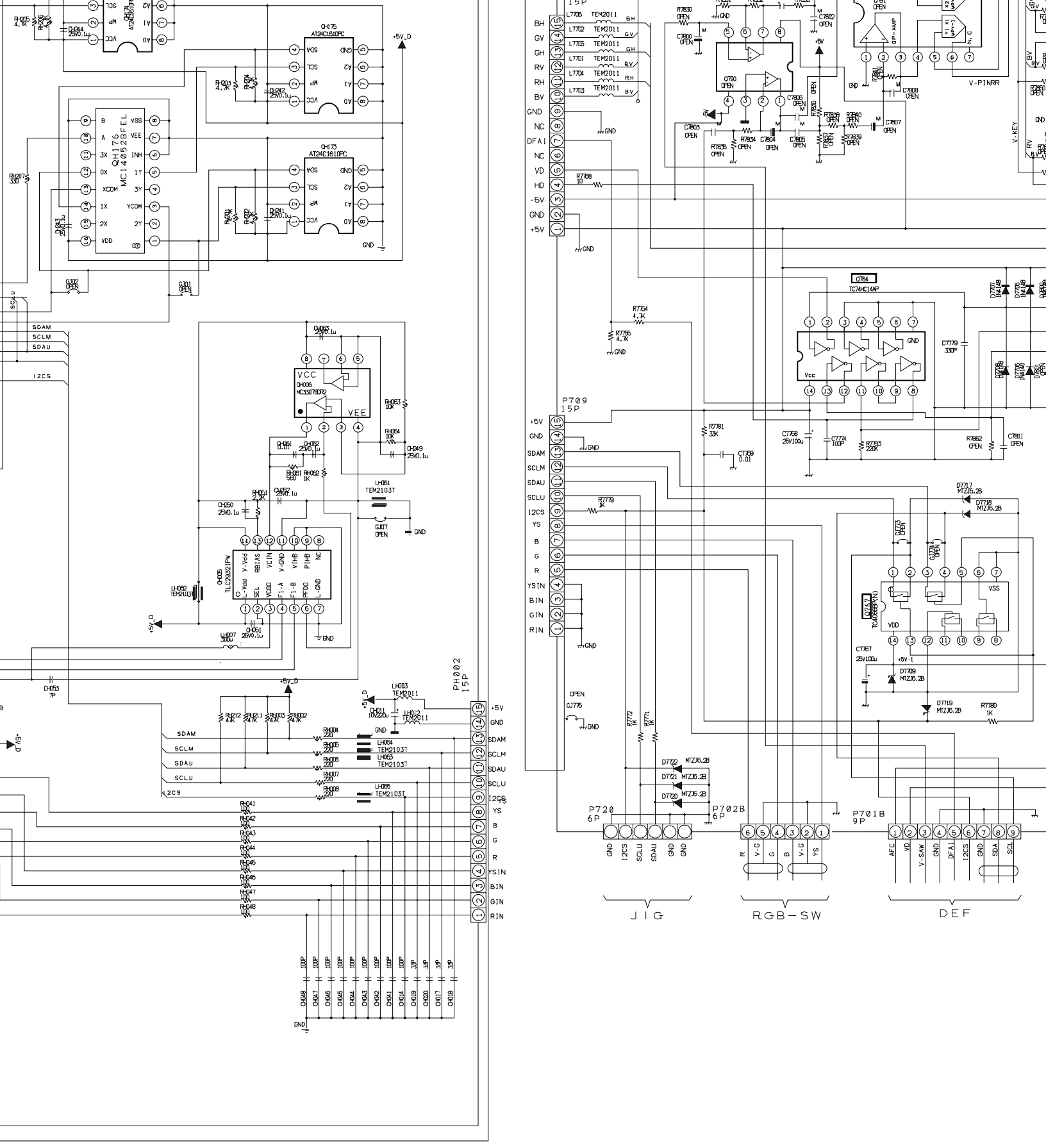


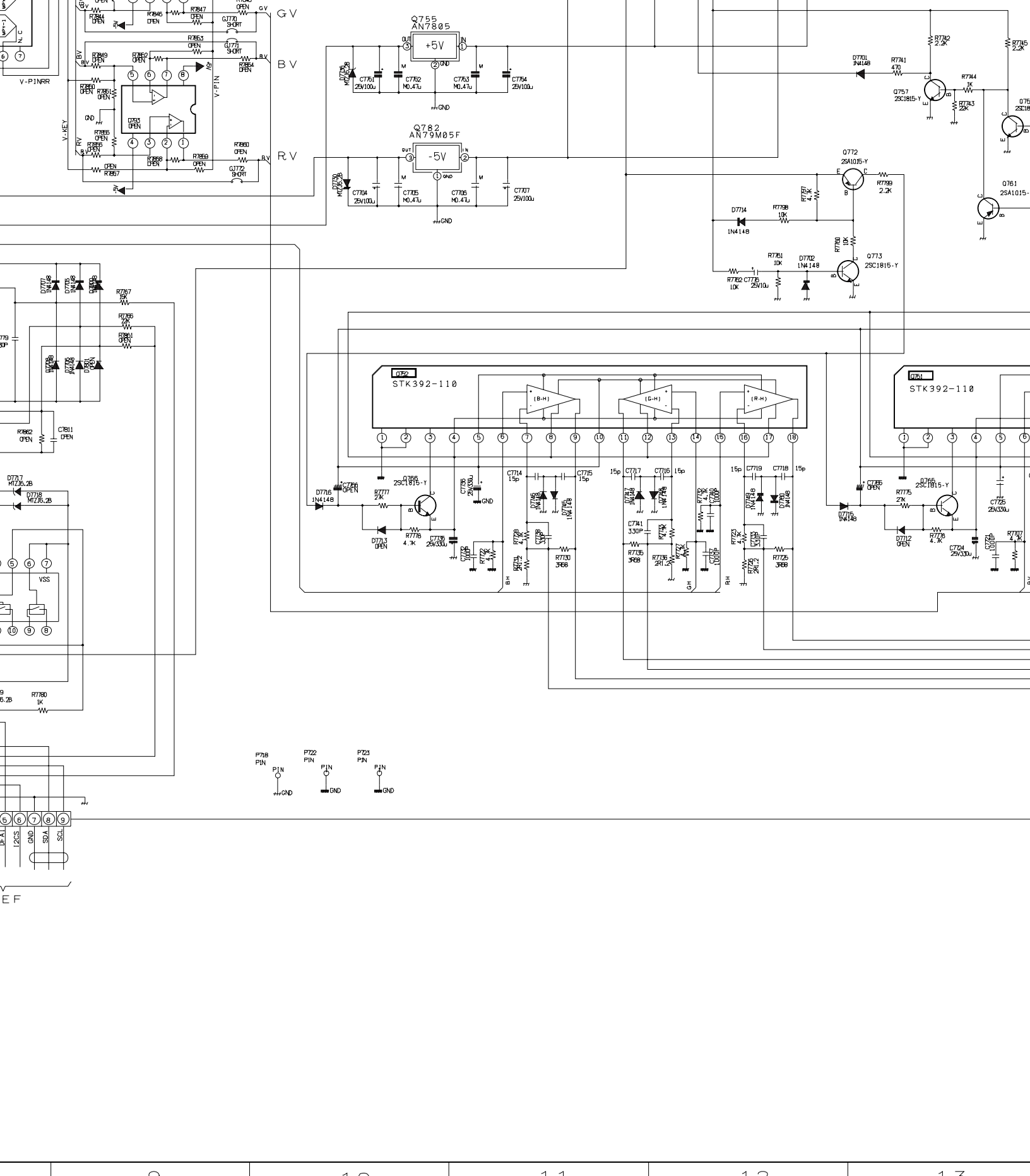
	QH173 CH241	QH174 CH244	QH175 CH242	QH176 CH243 RH207	RH201 RH202	RH203 RH204	RH205 RH206	GJ01 GJ02
TNP 4|3	16KB	×	×	×	○	×	○	○
TNP16|9	16KB	8KB	×	×	○	×	○	○
TUK 4|3	16KB	16KB	×	×	○	×	○	○
TUK16|9	16KB	16KB	16KB	○	○	○	○	×
TSP 4|3	16KB	16KB	×	×	○	×	○	○
DLTV4|3	16KB	16KB	×	×	○	×	○	○

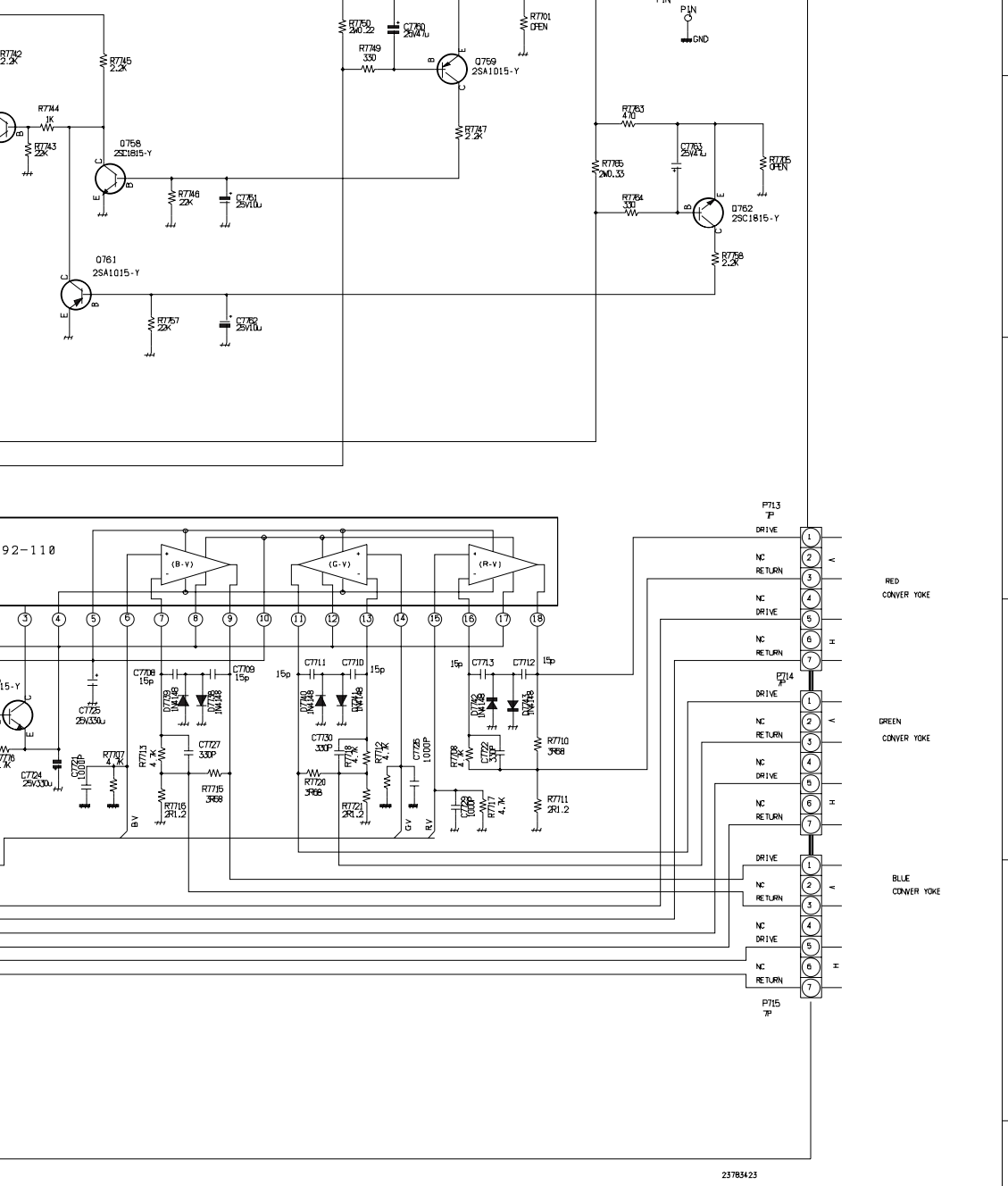
GJ03	GJ04
PAL 100Hz	OTHER

1 2 3 4

G H I J K L


P709
15P
P702
15P
P720
6P
P702B
6P
P701B
9P
JIG
RGB-SW
DEF
SDAM
SCLM
SDAU
SCLU
I2CS
+5V
GND
VCC
VEE
V-PINRR
V-KEY
+5V-1
-5V
BH
GV
GH
RV
RH
BV
DFAI
VD
HD
YS
B
G
R
YSIN
BIN
GIN
RIN
V-G
V-SAW
AFC
SDA
SCL

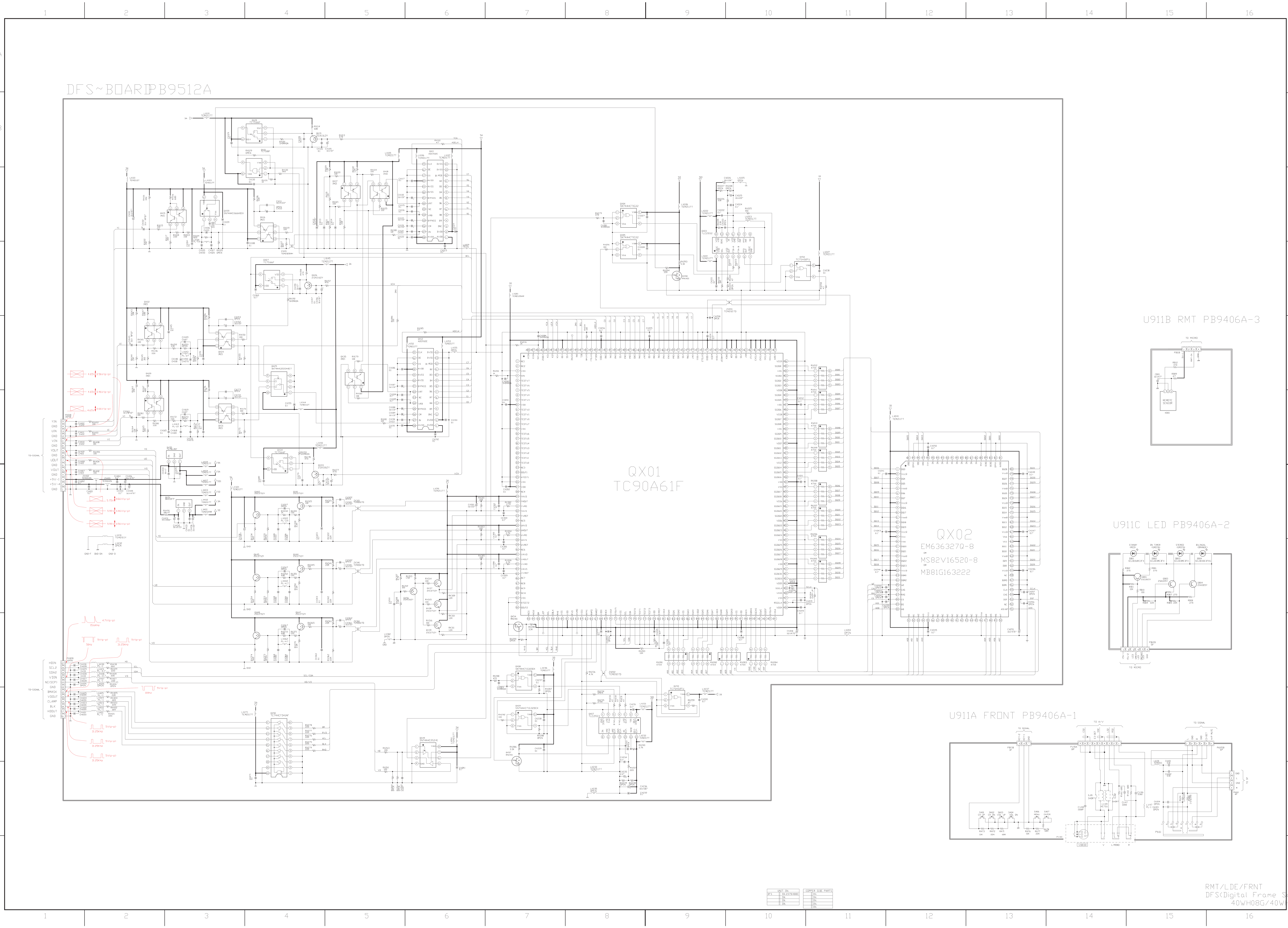

Q755
AN7805
+5V
Q782
AN79M05F
-5V
GV
BV
RV
V-PINRR
V-PIN
V-KEY
Q772
2SA1015-Y
Q773
2SC1815-Y
Q752
STK392-110
Q751
STK392-110
(B-H)
(G-H)
(R-H)
VSS
P718
P722
P723
PIN
GND
SDA
SCL

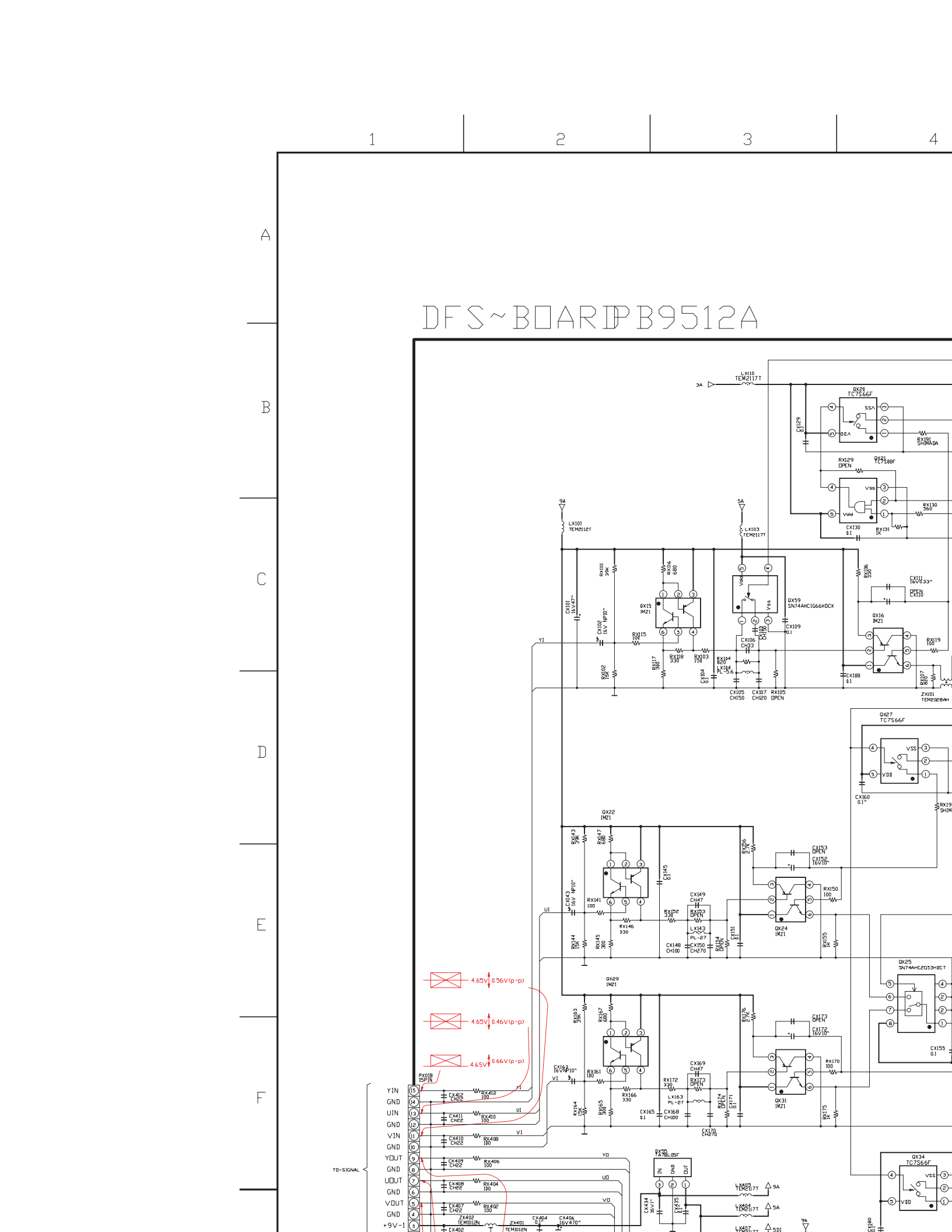


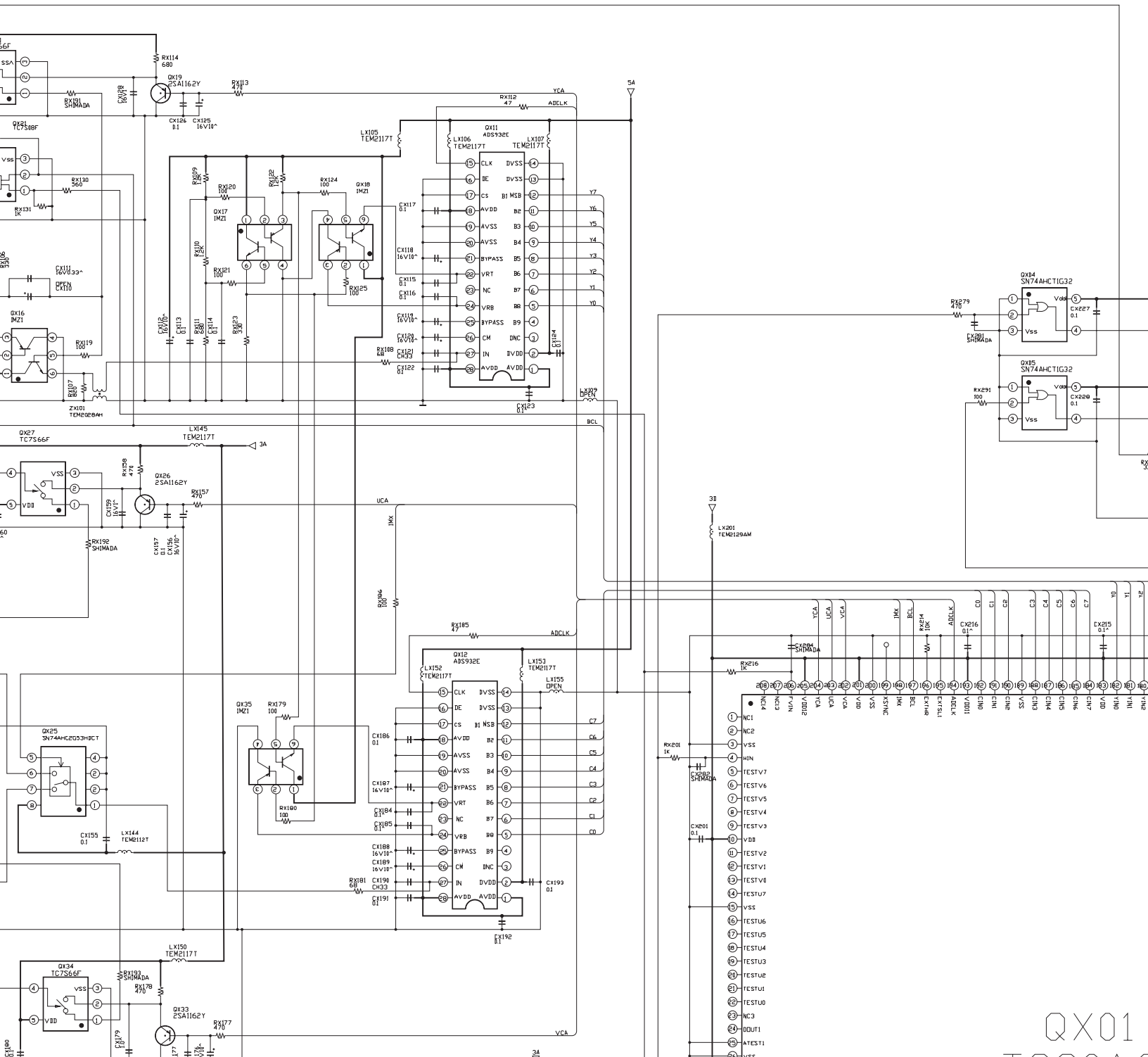
CONVER/D-CONVER
40WH08B/40WH08G

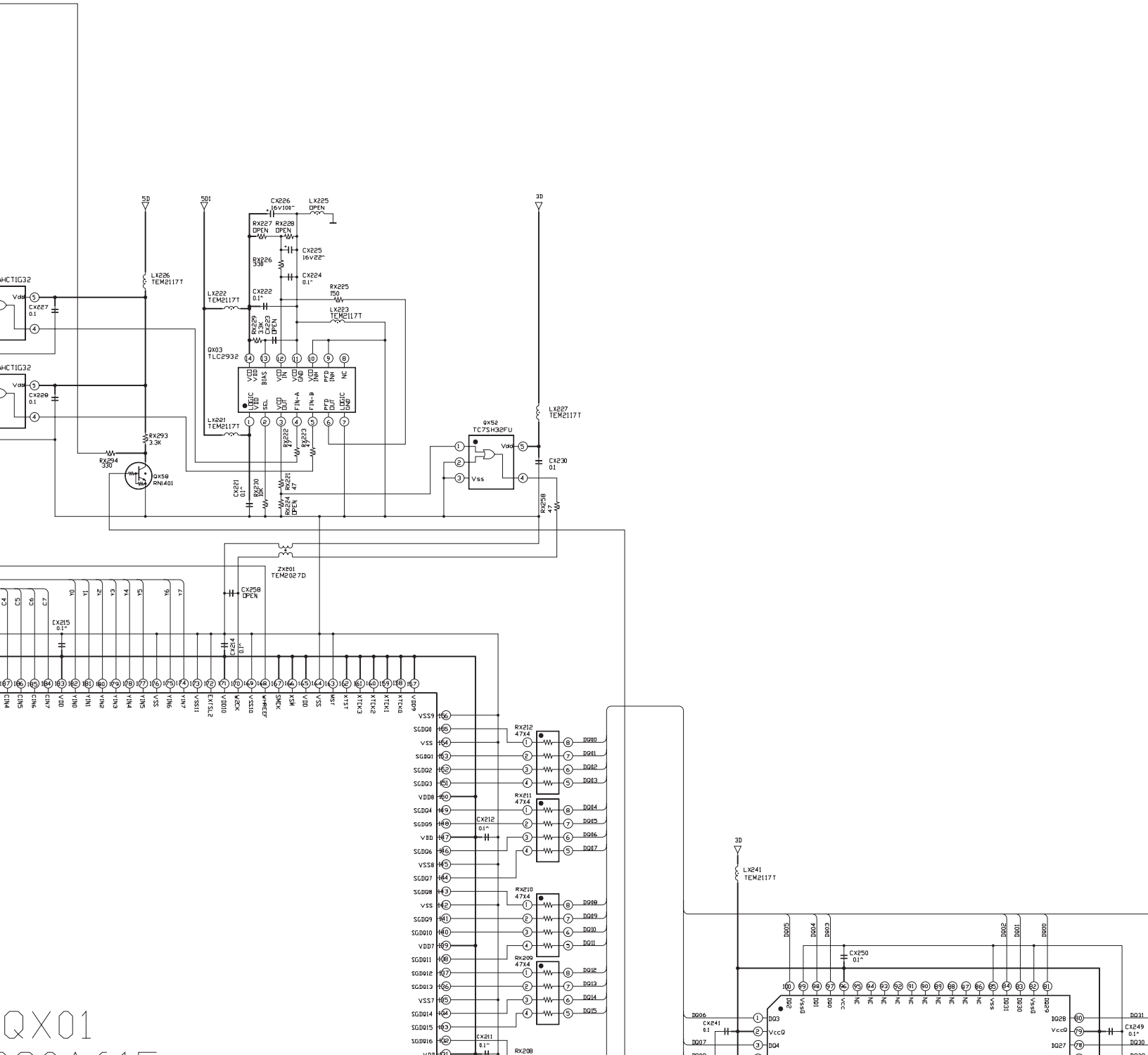
G H I J K L

13 14 15 16


DFS~BOARD PB9512A
QX01
TC90A61F
QX02
EM636327Q-8
OR
MS82V16520-8
OR
MB81G163222
U911B RMT PB9406A-3
TO MICRO
REMOTE SENSOR
U911C LED PB9406A-2
STANBY (RED)
ON TIMER (GREEN)
STEREO (GREEN)
BILINGAL (ORANGE)
U911A FRONT PB9406A-1
TO SIGNAL
TO A/V
TO SP
UNIT SN.
DFS SN.23784880
COPPER SIDE PARTS
RMT/LDE/FRNT
DFS(Digital Frame Scan)
40WH08G/40WH08B


DFS~BOARD PB9512A
1
2
3
4
A
B
C
D
E
F
LX110 TEM2117T
QX28 TC7S66F
CX129 0.1
RX131 SHIMADA
RX129 OPEN
QX31 TC7S08F
RX130 560
CX130 0.1
RX131 1K
LX101 TEM2118T
LX103 TEM2117T
QX59 SN74AHC1G66HDCK
CX101 16V47^
CX102 16V NP10^
RX101 39K
RX102 15K
RX15 IMZ1
RX15 100
RX16 680
RX17 560
RX18 330
RX103 150
RX104 820
LX104 PL-56
CX104 0.1
CX106 CH33
CX109 0.1
CX105 CH150
CX107 CH120
RX105 OPEN
RX106 330
CX111 16V0.33^
OPEN CX110
QX16 IMZ1
RX19 100
CX108 0.1
RX107 820
ZX101 TEM2028AH
QX27 TC7S66F
CX160 0.1^
RX19 SHIM
QX22 IMZ1
RX143 39K
RX147 680
CX145 0.1
CX143 16V NP10^
RX141 100
RX142 330
RX146 330
RX144 15K
RX145 330
CX149 CH47
RX156 2.7K
CX153 OPEN
CX152 16V10^
RX150 100
LX143 PL-27
CX148 CH100
CX150 CH270
RX154 OPEN
CX151 0.1
RX155 1K
QX24 IMZ1
QX25 SN74AHC2G53HDCT
CX155 0.1
QX29 IMZ1
RX163 39K
RX167 680
CX162 16V NP10^
RX161 180
RX166 330
RX164 15K
RX165 330
CX169 CH47
RX176 2.7K
CX173 OPEN
CX172 16V10^
RX170 100
RX172 330
RX173 OPEN
LX163 PL-27
CX165 0.1
CX168 CH100
CX170 CH270
CX171 0.1
RX175 1K
QX31 IMZ1
4.65V 0.56V(p-p)
4.65V 0.46V(p-p)
4.65V 0.66V(p-p)
PX01B 15PIN
TO-SIGNAL
YIN
GND
UIN
GND
VIN
GND
YOUT
GND
UOUT
GND
VOUT
GND
+9V-1
CX412 CH22
RX412 100
CX411 CH22
RX410 100
CX410 CH22
RX408 100
CX409 CH22
RX406 100
CX408 CH22
RX404 100
CX407 CH22
RX402 100
ZX402 TEM3012N
ZX401 TEM3012N
CX404 0.1
CX404 16V470^
CX402
QX55 TA78L05F
IN GND OUT
CX434 16V47^
CX435 0.1
LX405 TEM2117T
LX404 TEM2117T
LX407 TEM2117T
9A
5A
5D1
QX34 TC7S66F
VSS
VDD
CX160 0.1^

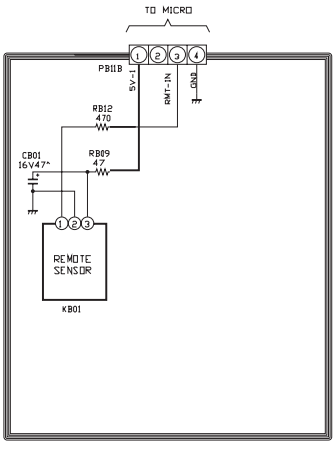

QX01
TC90A69F

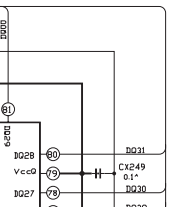

QX01
5D
50I
3D
CX226 16V10^
LX225 OPEN
RX227 OPEN
RX228 OPEN
CX225 16V22^
RX226 330
CX224 0.1^
LX226 TEM2117T
LX222 TEM2117T
CX222 0.1^
RX225 150
LX223 TEM2117T
RX229 3.3K
CX223 OPEN
QX03 TLC2932
LX227 TEM2117T
QX52 TC7SH32FU
CX227 0.1
CX220 0.1
RX293 3.3K
RX294 330
QX50 RN1401
LX221 TEM2117T
RX222 47
RX223 47
CX221 0.1^
RX230 10K
RX221 47
RX224 OPEN
CX230 0.1
RX258 47
ZX201 TEM2027D
CX258 OPEN
CX215 0.1^
CX214 0.1^
RX212 47X4
RX211 47X4
RX210 47X4
RX209 47X4
CX212 0.1^
CX211 0.1^
RX208
LX241 TEM2117T
CX250 0.1^
CX241 0.1
CX249 0.1^
DQ00
DQ01
DQ02
DQ03
DQ04
DQ05
DQ06
DQ07
DQ08
DQ09
DQ10
DQ11
DQ12
DQ13
DQ14
DQ15
DQ16
DQ17
DQ18
DQ19
DQ20
DQ21
DQ22
DQ23
DQ24
DQ25
DQ26
DQ27
DQ28
DQ29
DQ30
DQ31

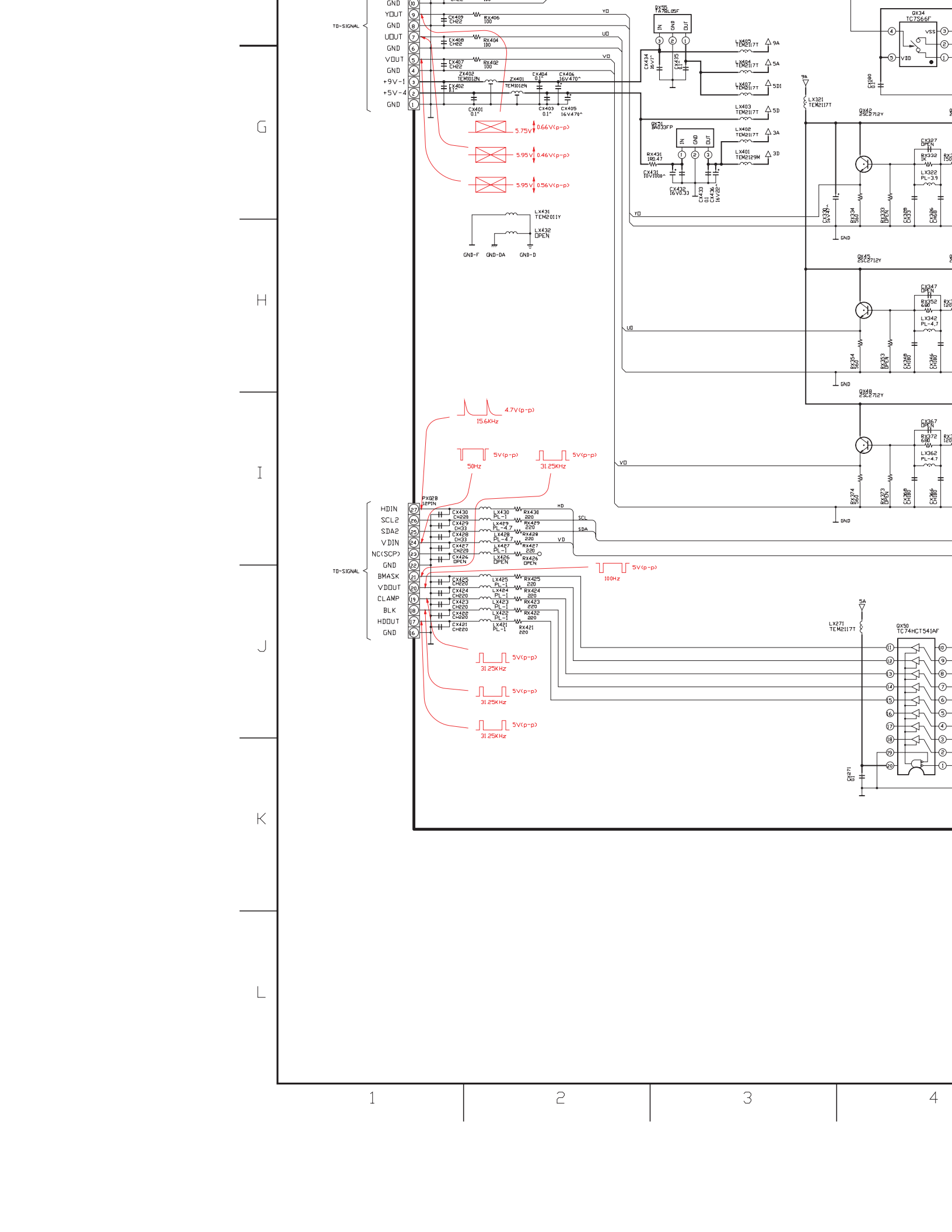
13 14 15 16

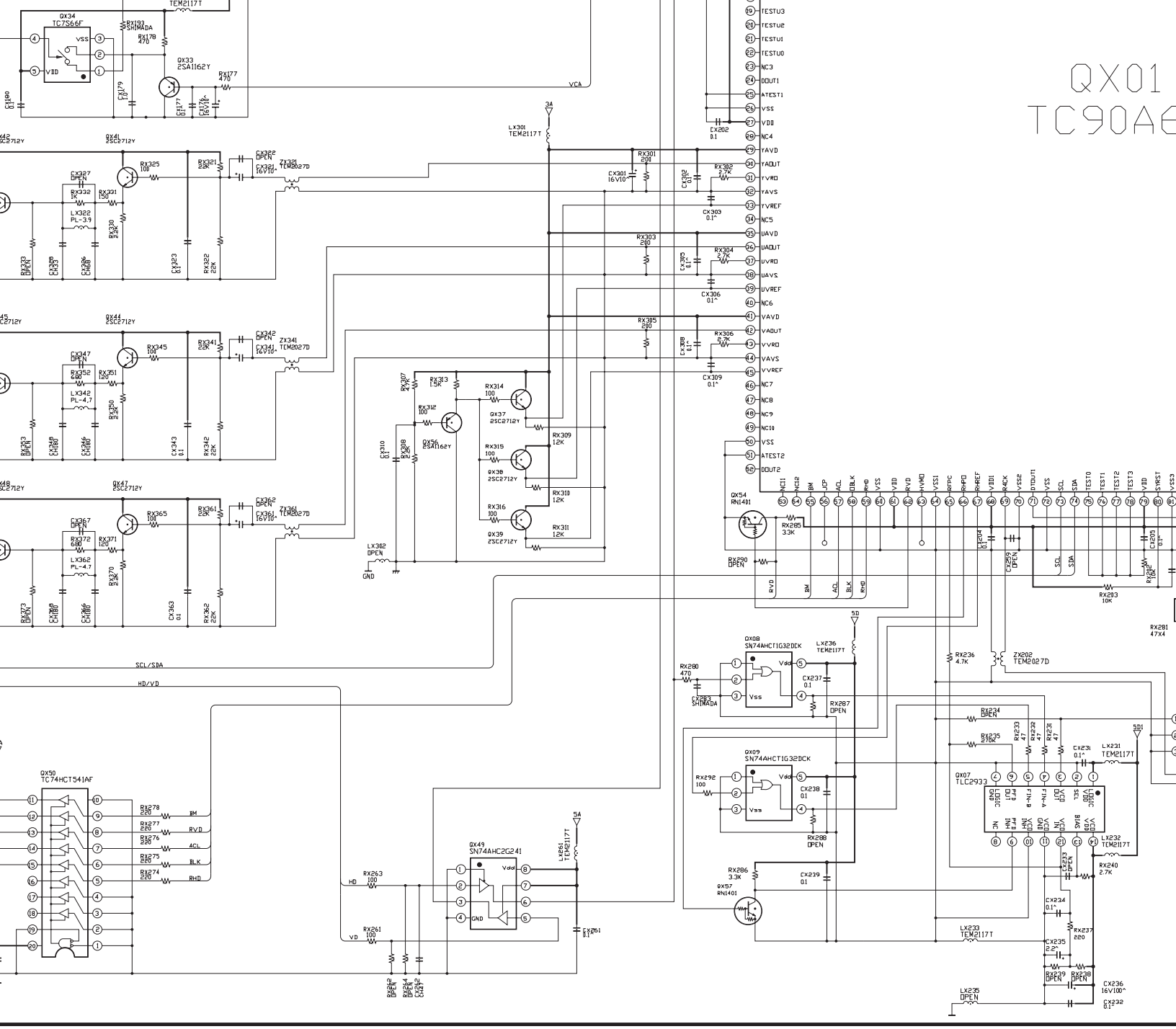
A B C D E F

U911B RMT PB9406A-3






TO-SIGNAL
GND
YOUT
GND
UOUT
GND
VOUT
GND
+9V-1
+5V-4
GND
RX406 100
RX404 180
RX402 100
CX409 CH22
CX408 CH22
CX407 CH22
CX402 0.1
ZX402 TEM1012N
ZX401 TEM1012N
CX401 0.1
CX404 0.1
CX406 16V470
CX403 0.1
CX405 16V470
5.75V 0.66V(p-p)
5.95V 0.46V(p-p)
5.95V 0.56V(p-p)
LX431 TEM2011Y
LX432 OPEN
GND-F
GND-DA
GND-D
RX55 TA78L05F
IN
GND
OUT
CX434 16V1
CX435 0.1
RX431 1R0.47
CX431 16V100
CX432 16V0.33
CX433 0.1
CX436 16V22
LX405 TEM2117T
LX404 TEM2117T
LX407 TEM2117T
LX403 TEM2117T
LX402 TEM2117T
LX401 TEM2129M
9A
5A
5D1
5D
3A
3D
RX31 BA033FP
YO
UO
VO
GND
LX321 TEM2117T
9A
QX46 2SC2712Y
CX327 OPEN
RX332 1K
LX322 PL-3.9
CX330 16V47
RX334 560
RX327 OPEN
CX328 CH33
CX326 CH680
QX45 2SC2712Y
CX347 OPEN
RX352 680
LX342 PL-4.7
RX354 560
RX353 OPEN
CX348 CH680
CX346 CH680
QX48 2SC2712Y
CX367 OPEN
RX372 680
LX362 PL-4.7
RX374 560
RX373 OPEN
CX368 CH680
CX366 CH680
4.7V(p-p)
15.6KHz
5V(p-p)
50Hz
5V(p-p)
31.25KHz
5V(p-p)
100Hz
PX928 12PIN
HDIN
SCL2
SDA2
VDIN
NC(SCP)
GND
BMASK
VDOUT
CLAMP
BLK
HDOUT
GND
CX430 CH220
CX429 CH33
CX428 CH33
CX427 CH220
CX426 OPEN
CX425 CH220
CX424 CH220
CX423 CH220
CX422 CH220
CX421 CH220
LX430 PL-1
LX429 PL-4.7
LX428 PL-4.7
LX427 PL-1
LX426 OPEN
LX425 PL-1
LX424 PL-1
LX423 PL-1
LX422 PL-1
LX421 PL-1
RX430 220
RX429 220
RX428 220
RX427 220
RX426 OPEN
RX425 220
RX424 220
RX423 220
RX422 220
RX421 220
HD
SCL
SDA
VD
5V(p-p)
31.25KHz
5V(p-p)
31.25KHz
5V(p-p)
31.25KHz
5A
LX271 TEM2117T
QX50 TC74HCT541AF
CX271 0.1
QX34 TC7S66F
VSS
VDD
CX340 0.1


QX01
TC90A6
QX34
TC7S66F
QX33
2SA1162Y
QX41
2SC2712Y
QX44
2SC2712Y
QX47
2SC2712Y
QX48
2SC2712Y
QX37
2SC2712Y
QX38
2SC2712Y
QX39
2SC2712Y
QX56
2SA1162Y
QX54
RN1401
QX57
RN1401
QX08
SN74AHCT1G32DCK
QX09
SN74AHCT1G32DCK
QX07
TLC2933
QX49
SN74AHC2G241
QX50
TC74HCT541AF
VCA
SCL/SDA
HD/VD
BM
RVD
ACL
BLK
RHD
GND

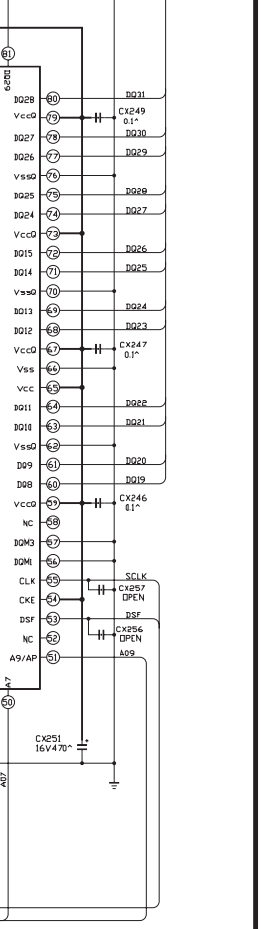
QX01
C90A61F

QX02
EM6363270-8
OR
MS82V16520-8
OR
MB81G163222

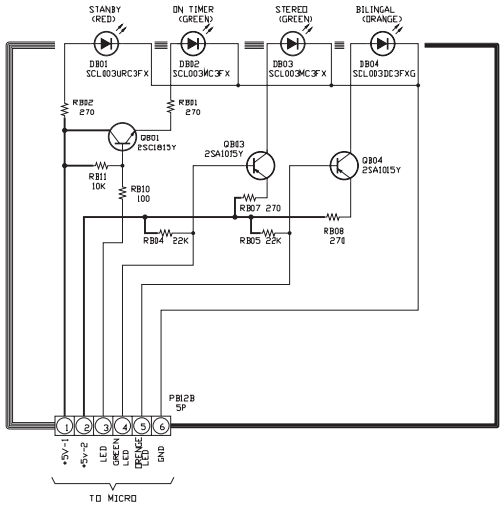
U911A FRONT PB

UNIT SN.	
DFS	SN.23784880
	SN.
	SN.
	SN.

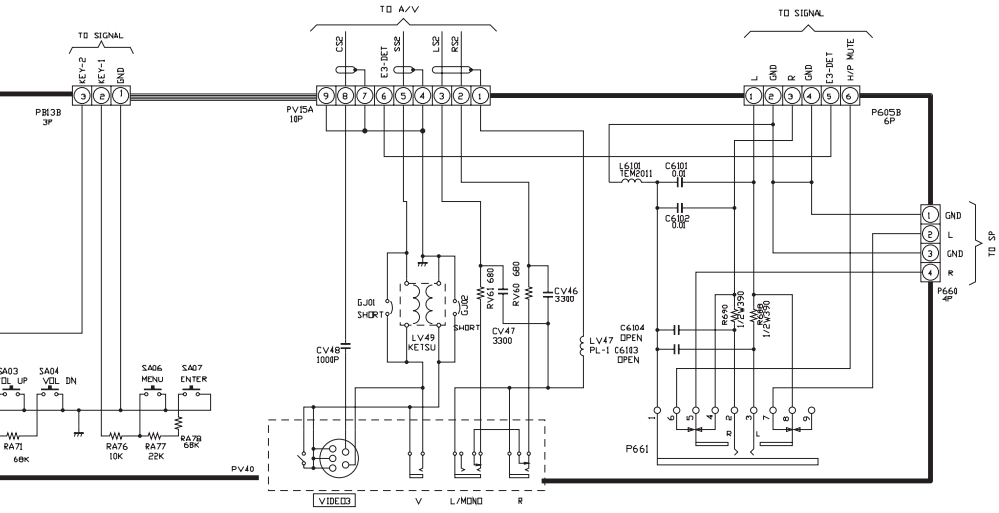
COPPER SIDE PARTS	
	SN.
	SN.
	SN.
	SN.



U911C LED PB9406A-2

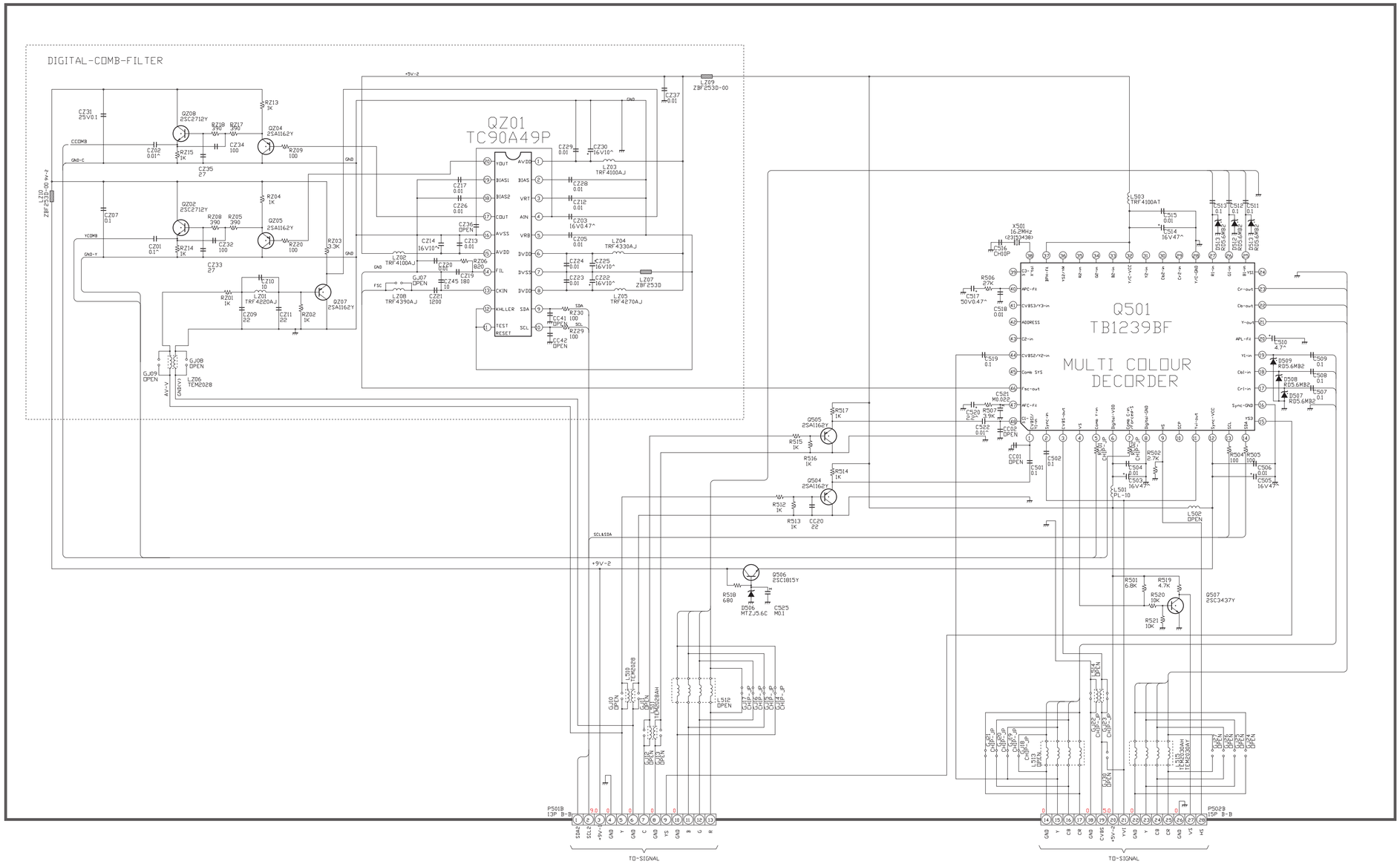


ONT PB9406A-1



RMT/LDE/FRNT
DFS(Digital Frame Scan)
40WH08G/40WH08B

U103 D-COMB&MCD BOARD PB 9510A



UNIT SN.	
MCD	SN:2384878
	SN:
	SN:
	SN:

COPPER SIDE PARTS	
	SN:
	SN:
	SN:
	SN:
	SN:

D-COMB&MCD PART
40WH08G
40WH08B

A

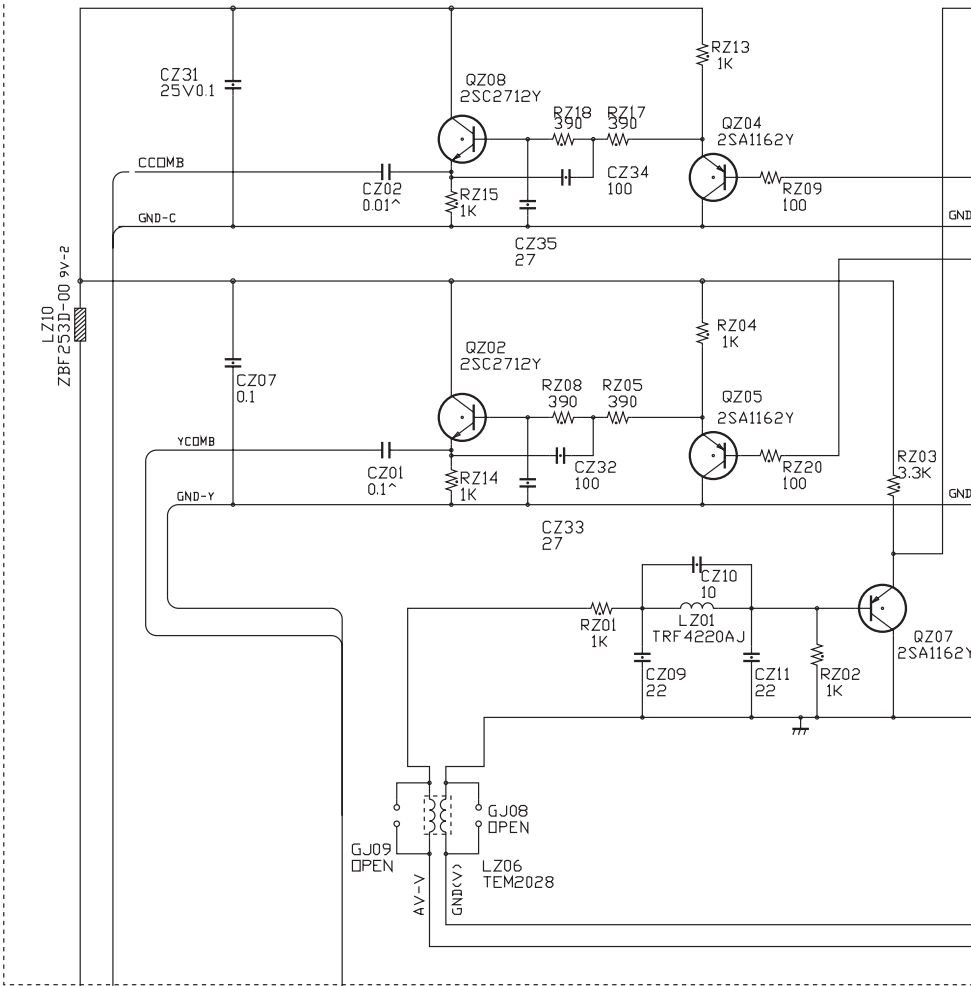
B

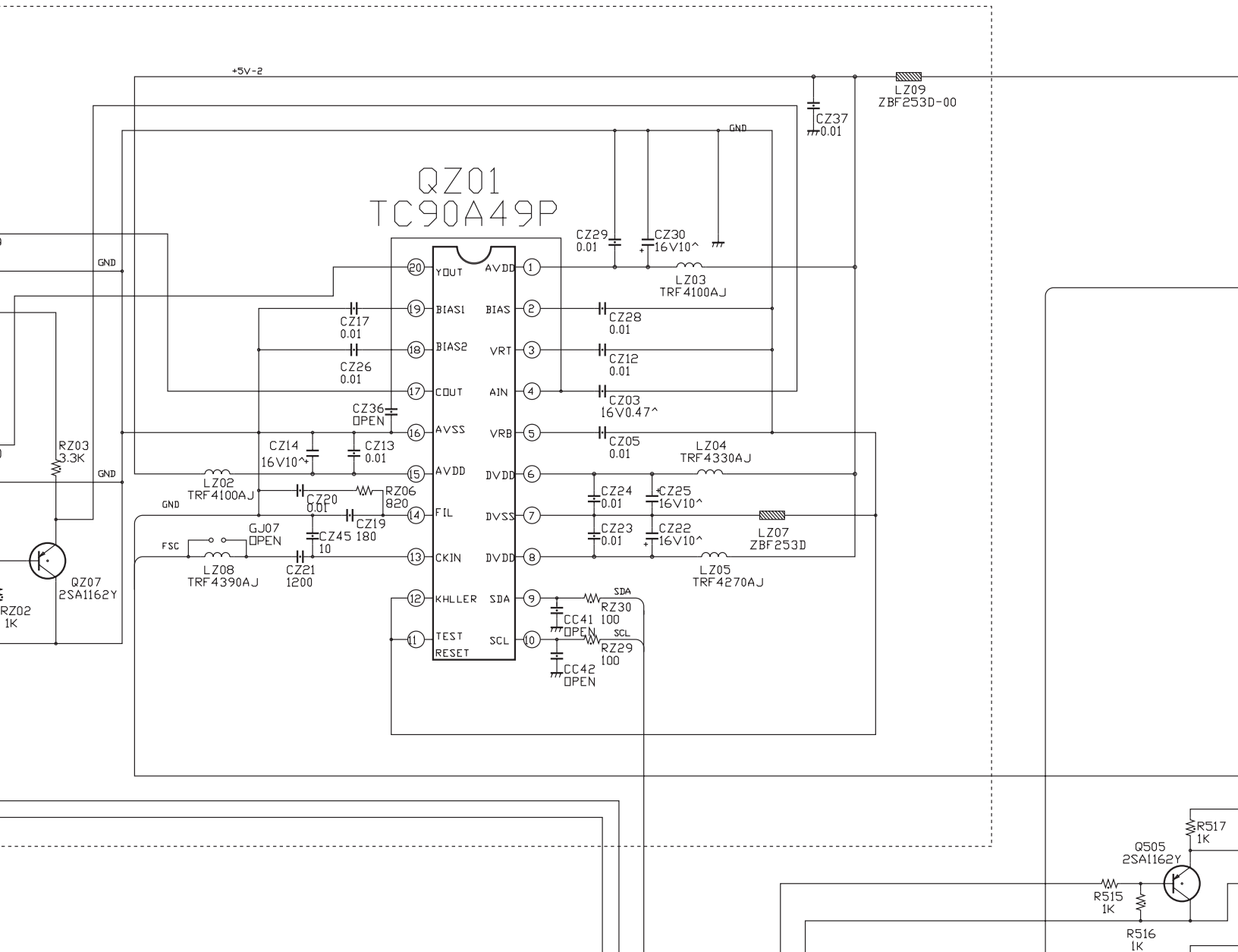
C

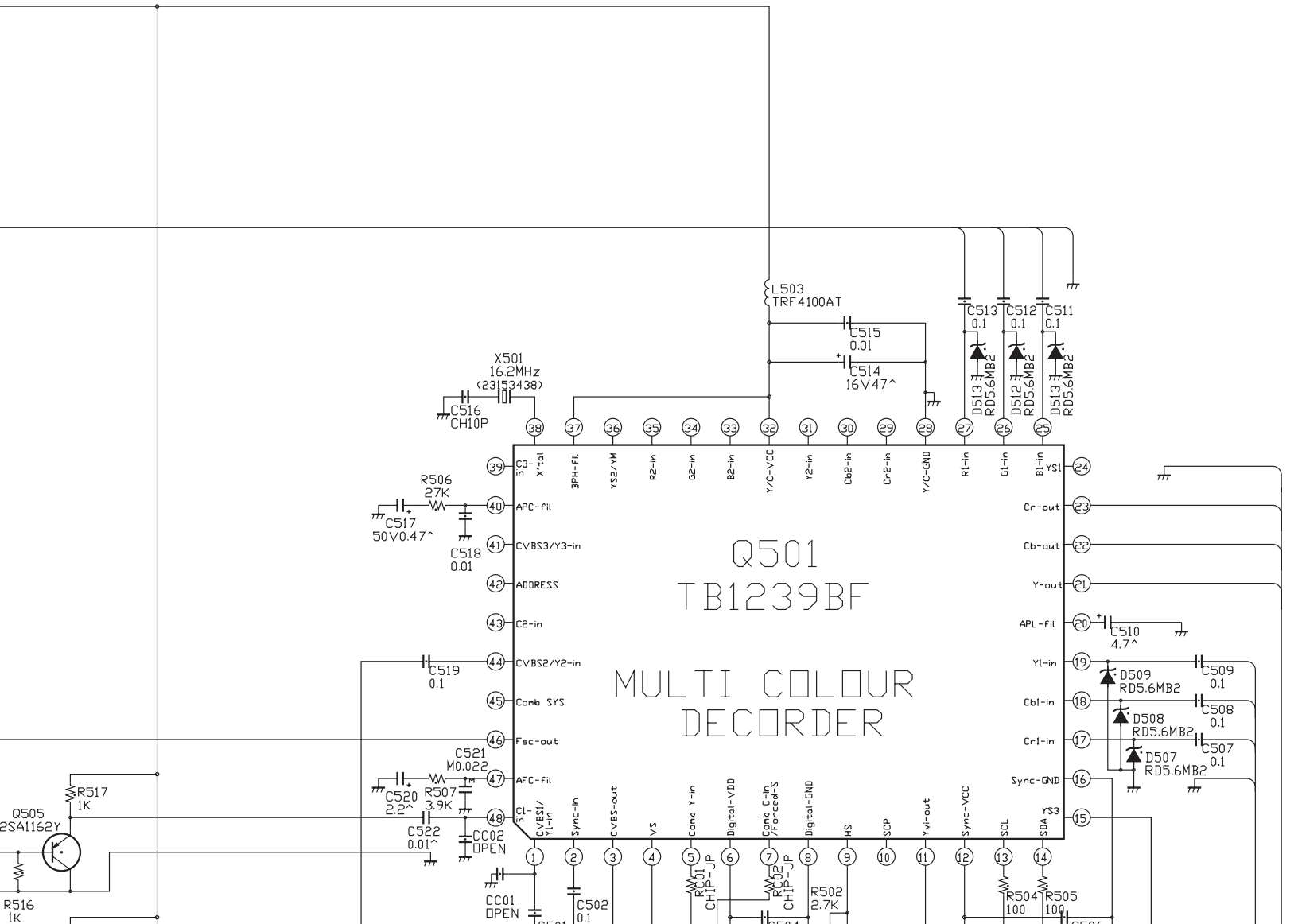
D

U103 D-COMB&MCD BOARD PB 9

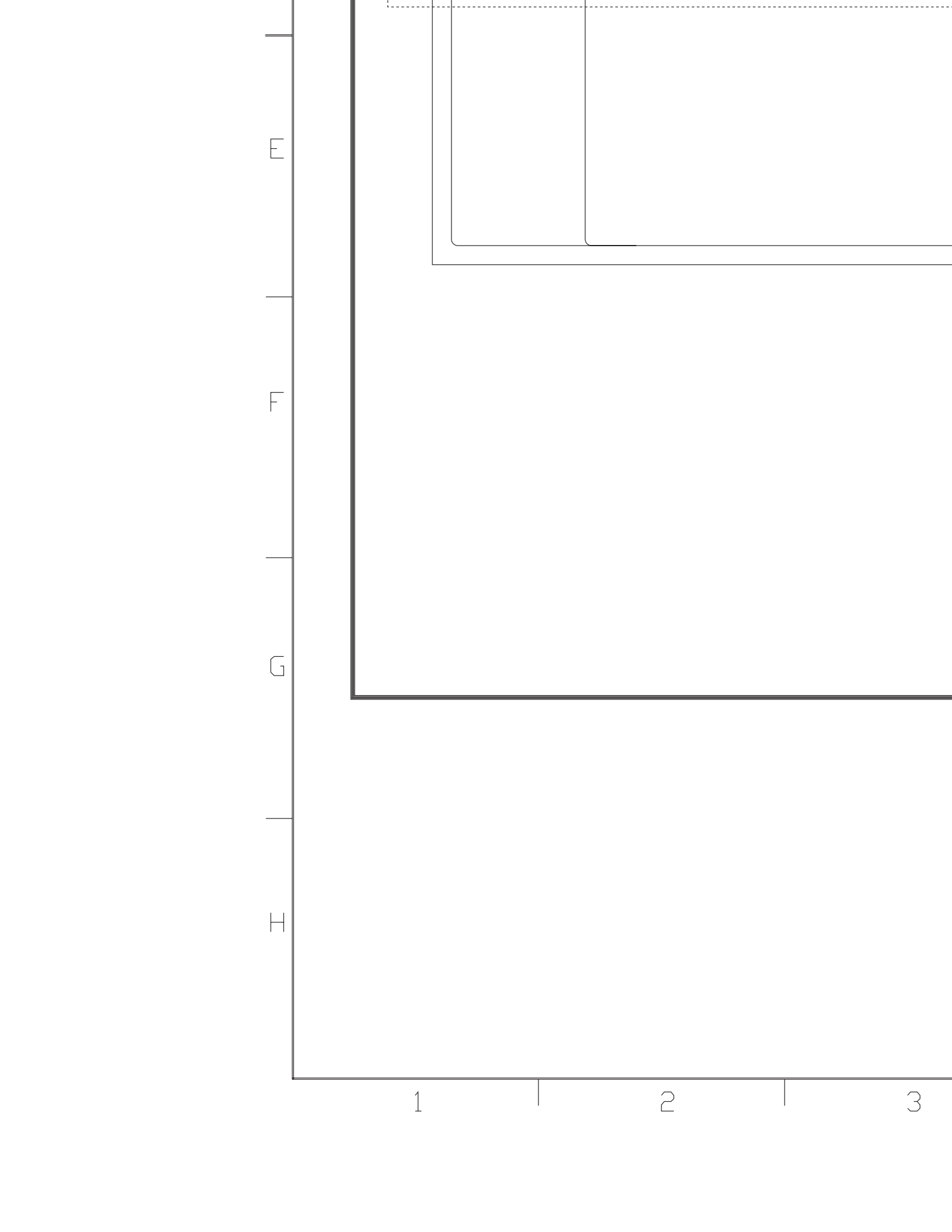
DIGITAL-COMB-FILTER

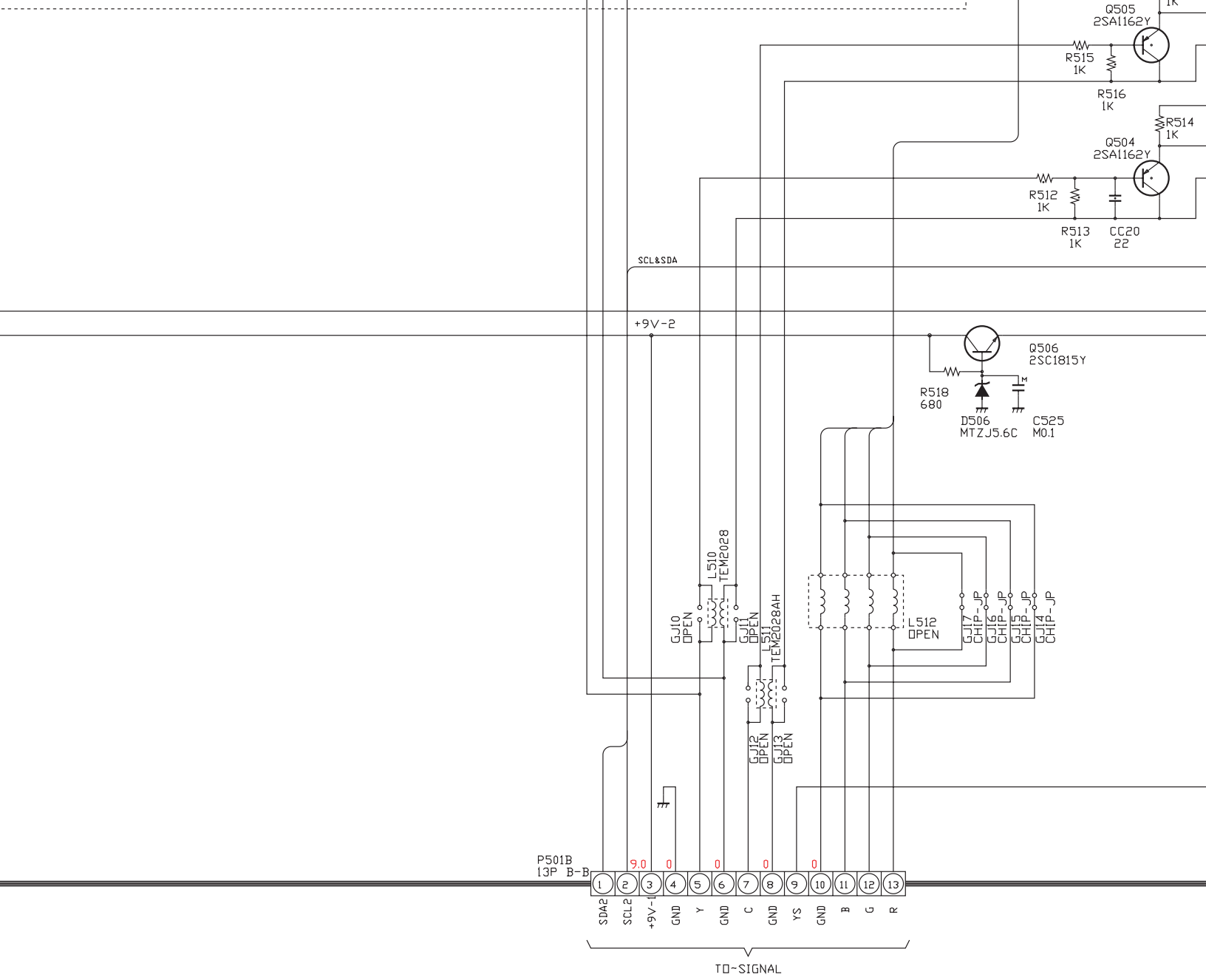


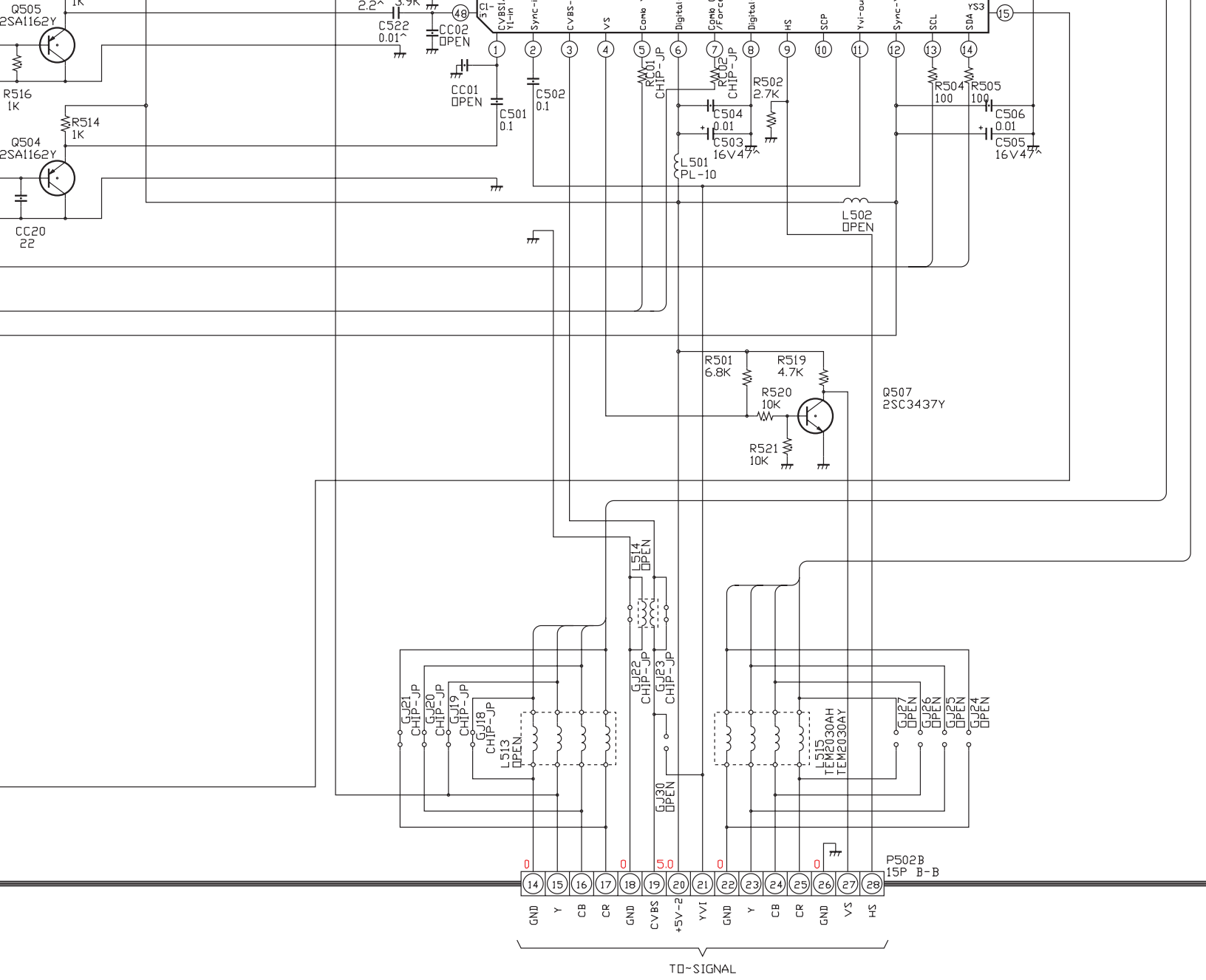

+5V-2
LZ09
ZBF253D-00
CZ37
0.01
GND
QZ01
TC90A49P
CZ29
0.01
CZ30
16V10^
LZ03
TRF4100AJ
CZ17
0.01
CZ28
0.01
CZ26
0.01
CZ12
0.01
CZ36
OPEN
CZ03
16V0.47^
CZ14
16V10^
CZ13
0.01
CZ05
0.01
LZ04
TRF4330AJ
LZ02
TRF4100AJ
CZ20
0.01
RZ06
820
CZ24
0.01
CZ25
16V10^
CZ19
GJ07
OPEN
CZ45 180
10
CZ23
0.01
CZ22
16V10^
LZ07
ZBF253D
FSC
LZ08
TRF4390AJ
CZ21
1200
LZ05
TRF4270AJ
RZ03
3.3K
QZ07
2SA1162Y
RZ02
1K
YOUT
BIAS1
BIAS2
COUT
AVSS
AVDD
FIL
CKIN
KHLLER
TEST
RESET
AVDD
BIAS
VRT
AIN
VRB
DVDD
DVSS
DVDD
SDA
SCL
SDA
RZ30
100
CC41
OPEN
SCL
RZ29
100
CC42
OPEN
R517
1K
Q505
2SA1162Y
R515
1K
R516
1K


Q501
TB1239BF
MULTI COLOUR
DECORDER
L503
TRF4100AT
X501
16.2MHz
(2315343B)
C516
CH10P
C515
0.01
C514
16V47^
C513
0.1
C512
0.1
C511
0.1
D513
RD5.6MB2
D512
RD5.6MB2
D513
RD5.6MB2
R506
27K
C517
50V0.47^
C518
0.01
C519
0.1
C521
M0.022
C520
2.2^
R507
3.9K
C522
0.01^
CC02
OPEN
CC01
OPEN
C502
0.1
R501
CHIP-JP
R502
CHIP-JP
R502
2.7K
R504
100
R505
100
R517
1K
Q505
2SA1162Y
R516
1K
C510
4.7^
D509
RD5.6MB2
C509
0.1
D508
RD5.6MB2
C508
0.1
D507
RD5.6MB2
C507
0.1
C3-
X'tal
BPH-fil
YS2/YM
R2-in
G2-in
B2-in
Y/C-VCC
Y2-in
Cb2-in
Cr2-in
Y/C-GND
R1-in
G1-in
B1-in
YS1
APC-fil
CVBS3/Y3-in
ADDRESS
C2-in
CVBS2/Y2-in
Comb SYS
Fsc-out
AFC-fil
C1-
CVBS1/
Y1-in
Sync-in
CVBS-out
VS
Comb Y-in
Digital-VDD
Comb C-in
/Forced-S
Digital-GND
HS
SCP
Yvi-out
Sync-VCC
SCL
SDA
YS3
Cr-out
Cb-out
Y-out
APL-fil
Y1-in
Cb1-in
Cr1-in
Sync-GND

10
11
12
A
B
C
D
C509
0.1
C508
0.1
C507
0.1


E
F
G
H
1
2
3


Q505
2SA1162Y
R515
1K
R516
1K
R514
1K
Q504
2SA1162Y
R512
1K
R513
1K
CC20
22
SCL&SDA
+9V-2
Q506
2SC1815Y
R518
680
D506
MTZJ5.6C
C525
M0.1
L510
TEM2028
GJ10
OPEN
GJ11
OPEN
L511
TEM2028AH
GJ12
OPEN
GJ13
OPEN
L512
OPEN
GJ7
CHIP_JP
GJ6
CHIP_JP
GJ5
CHIP_JP
GJ4
CHIP_JP
P501B
13P B-B
9.0
0
0
0
0
1
2
3
4
5
6
7
8
9
10
11
12
13
SDA2
SCL2
+9V-1
GND
Y
GND
C
GND
YS
GND
B
G
R
TO~SIGNAL



UNIT SN.	
MCD	SN.23784878
	SN.
	SN.
	SN.

COPPER SIDE PARTS	
	SN.
	SN.
	SN.
	SN.
	SN.

E

F

G

H

D-COMB&MCD PART

40WH08G

40WH08B

10 11 12

U104AEPG-TEXT(Ver2)B2511A

QF10
MSM5116400D-60SJ
or
HY5117404CJ-60-TR
(4M×4bit DRAM)
SOJ-24/26

QF01
SDA5275-3
(MEGA TEXT)
PLCC-68

QF02
SAB-C161RI-L16A
or
SAB-C161PI-L16A
(SUB-^COM)
MQFP-100

QF03
MX29F040QC-70-3
(512K×8bit FLASH)
PLCC-32

QF04
Am29F040B-70JC
or
MBM29F040C-70PD
or
MX29F040QC-70
(512K×8bit FLASH)
PLCC-32

QF05
AT24C08N-10SC
or
S-24C08AFJA-TB-01
(8Kbit EEPROM)
SOP-8

QF11
PST9146NL

PF01A
15P B/B

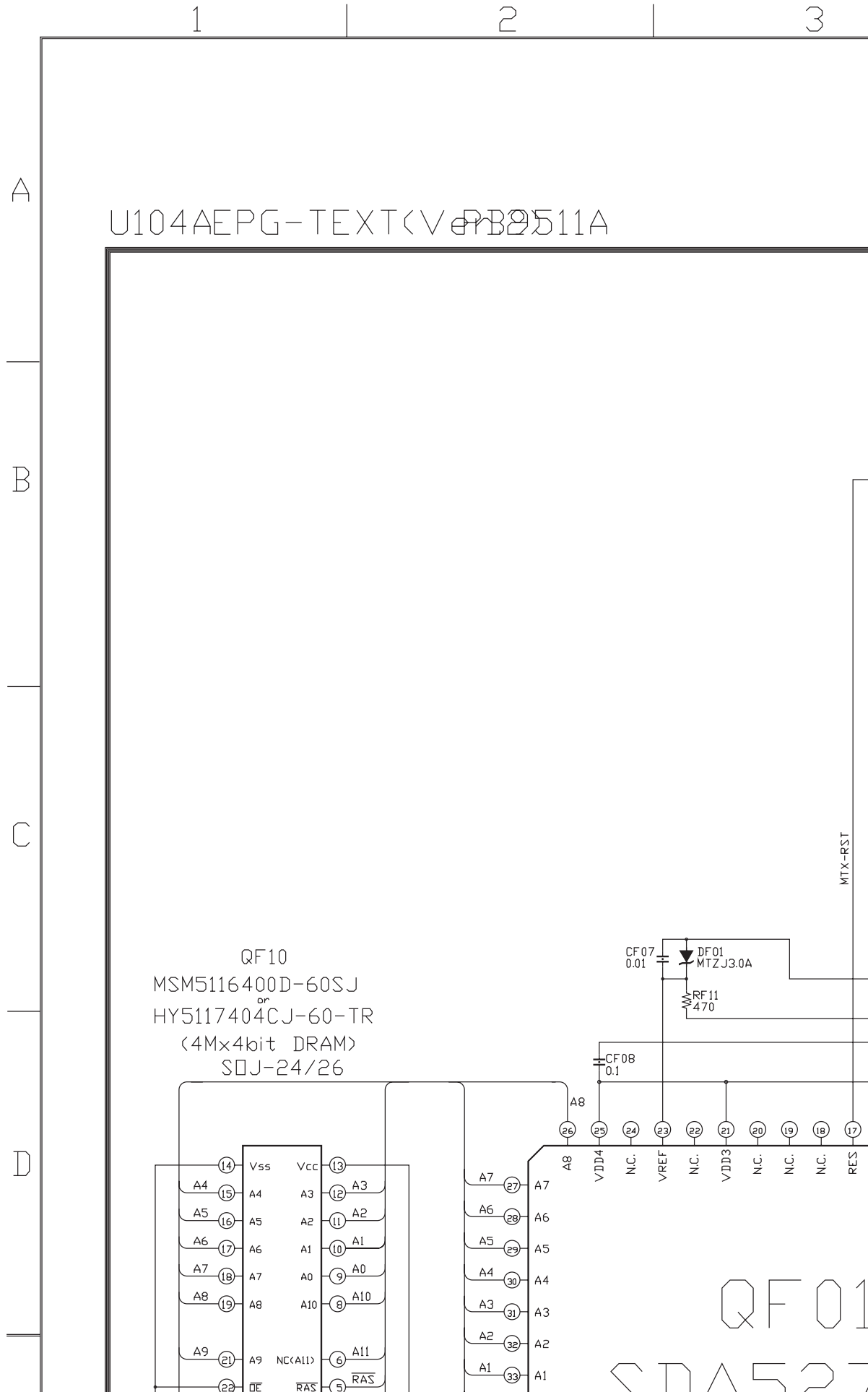
TO SHIELD CASE

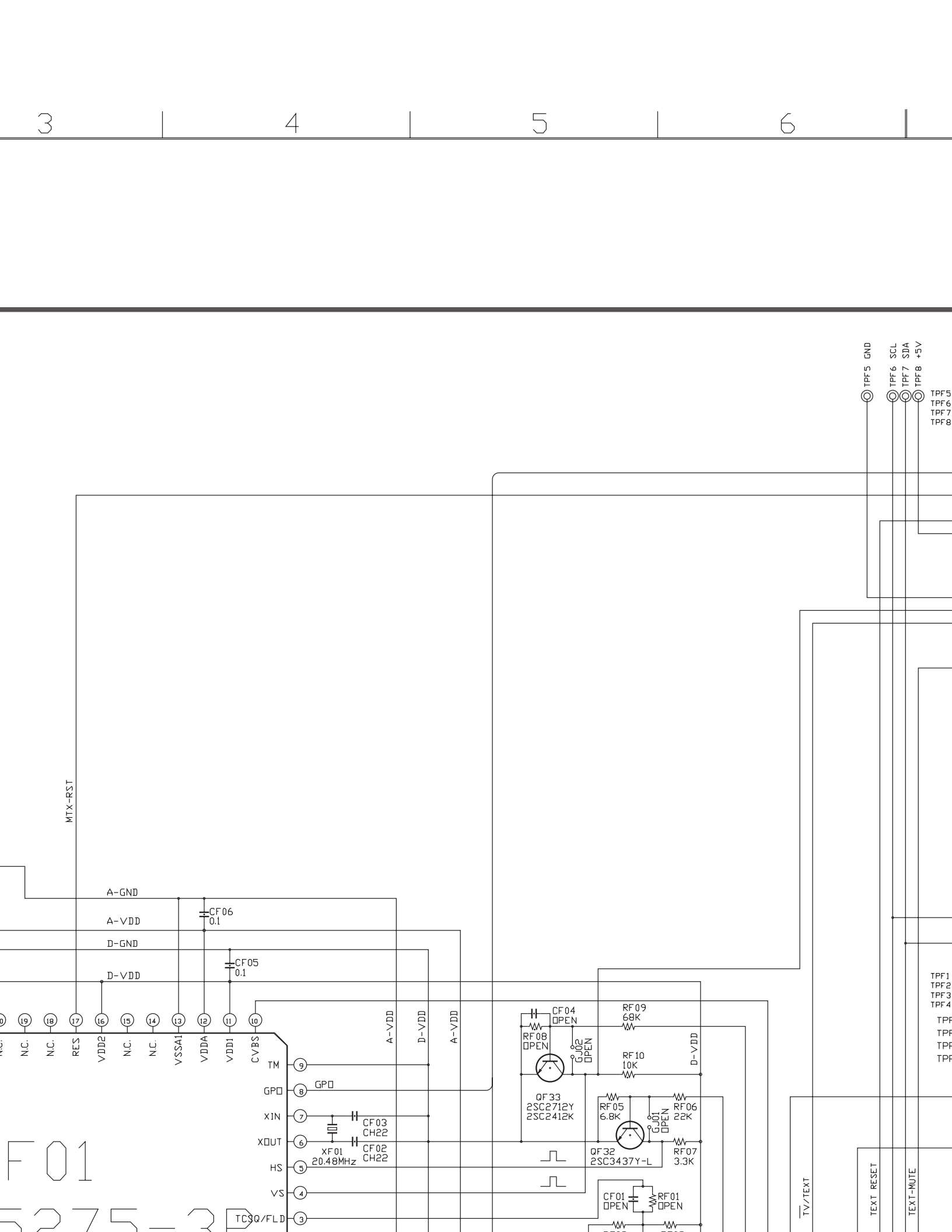
TO-SIGNAL

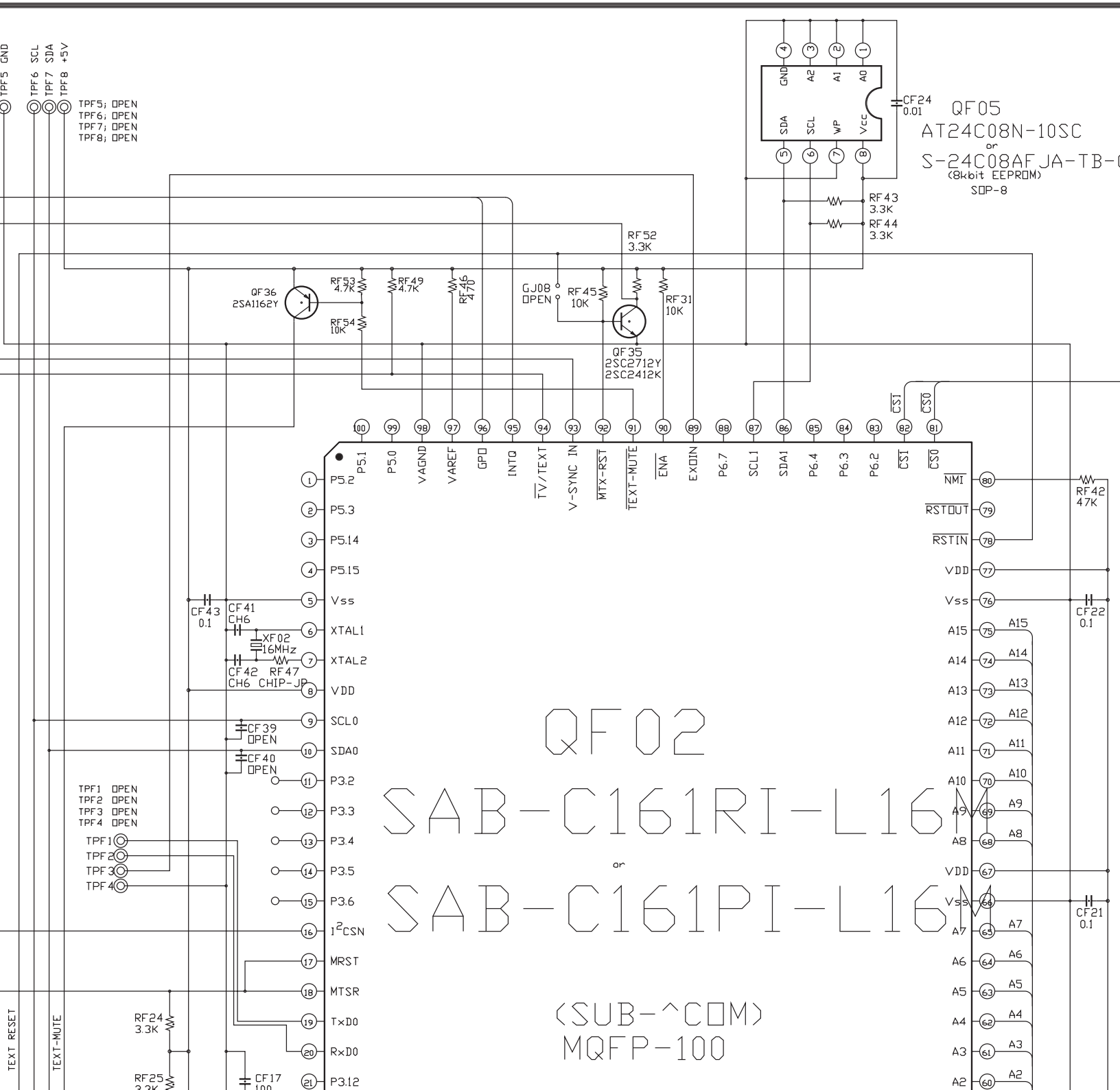
UNIT SN	
EPG	SN.2384879
	SN.
	SN.
	SN.

COPPER SIDE PARTS
SN.
SN.
SN.
SN.
SN.

EPG-TEXT(Ver.2)
40WH08G
40WH08B 7/7


1
2
3
A
B
C
D
U104AEPG-TEXT(V
511A
QF10
MSM5116400D-60SJ
or
HY5117404CJ-60-TR
(4Mx4bit DRAM)
SOJ-24/26
CF07
0.01
DF01
MTZJ3.0A
RF11
470
CF08
0.1
MTX-RST
A8
VDD4
N.C.
VREF
N.C.
VDD3
N.C.
N.C.
N.C.
RES
Vss
Vcc
A4
A3
A5
A2
A6
A1
A7
A0
A8
A10
A9
NC(A11)
A11
OE
RAS
RAS
A7
A6
A5
A4
A3
A2
A1
QF01
SDA52


3
4
5
6
TPF5 GND
TPF6 SCL
TPF7 SDA
TPF8 +5V
MTX-RST
A-GND
A-VDD
D-GND
D-VDD
CF06 0.1
CF05 0.1
N.C.
N.C.
RES
VDD2
N.C.
N.C.
VSSA1
VDDA
VDD1
CVBS
TM
GP□
XIN
X□UT
HS
VS
TCSQ/FLD
XF01 20.48MHz
CF03 CH22
CF02 CH22
CF04 □PEN
RF08 □PEN
GJ02 □PEN
RF09 68K
RF10 10K
QF33 2SC2712Y 2SC2412K
RF05 6.8K
GJ01 □PEN
RF06 22K
QF32 2SC3437Y-L
RF07 3.3K
CF01 □PEN
RF01 □PEN
TV/TEXT
TEXT RESET
TEXT-MUTE
TPF1
TPF2
TPF3
TPF4
F01
5275-3


TPF5 GND
TPF6 SCL
TPF7 SDA
TPF8 +5V
TPF5; OPEN
TPF6; OPEN
TPF7; OPEN
TPF8; OPEN
QF05
AT24C08N-10SC
or
S-24C08AFJA-TB-
(8kbit EEPROM)
SOP-8
GND
A2
A1
A0
SDA
SCL
WP
Vcc
CF24
0.01
RF43
3.3K
RF44
3.3K
RF52
3.3K
QF36
2SA1162Y
RF53
4.7K
RF54
10K
RF49
4.7K
RF46
470
GJ08
OPEN
RF45
10K
RF31
10K
QF35
2SC2712Y
2SC2412K
P5.1
P5.0
VAGND
VAREF
GPO
INTO
TV/TEXT
V-SYNC IN
MTX-RST
TEXT-MUTE
ENA
EXOIN
P6.7
SCL1
SDA1
P6.4
P6.3
P6.2
CS1
CS0
P5.2
P5.3
P5.14
P5.15
Vss
XTAL1
XTAL2
VDD
SCL0
SDA0
P3.2
P3.3
P3.4
P3.5
P3.6
I2CSN
MRST
MTSR
TxD0
RxD0
P3.12
NMI
RSTOUT
RSTIN
VDD
Vss
A15
A14
A13
A12
A11
A10
A9
A8
VDD
Vss
A7
A6
A5
A4
A3
A2
CF43
0.1
CF41
CH6
XF02
16MHz
CF42
CH6
RF47
CHIP-JP
CF39
OPEN
CF40
OPEN
RF42
47K
CF22
0.1
CF21
0.1
TPF1 OPEN
TPF2 OPEN
TPF3 OPEN
TPF4 OPEN
TPF1
TPF2
TPF3
TPF4
QF02
SAB-C161RI-L16
or
SAB-C161PI-L16
(SUB-^COM)
MQFP-100
RF24
3.3K
RF25
3.3K
CF17
100
TEXT RESET
TEXT-MUTE

A

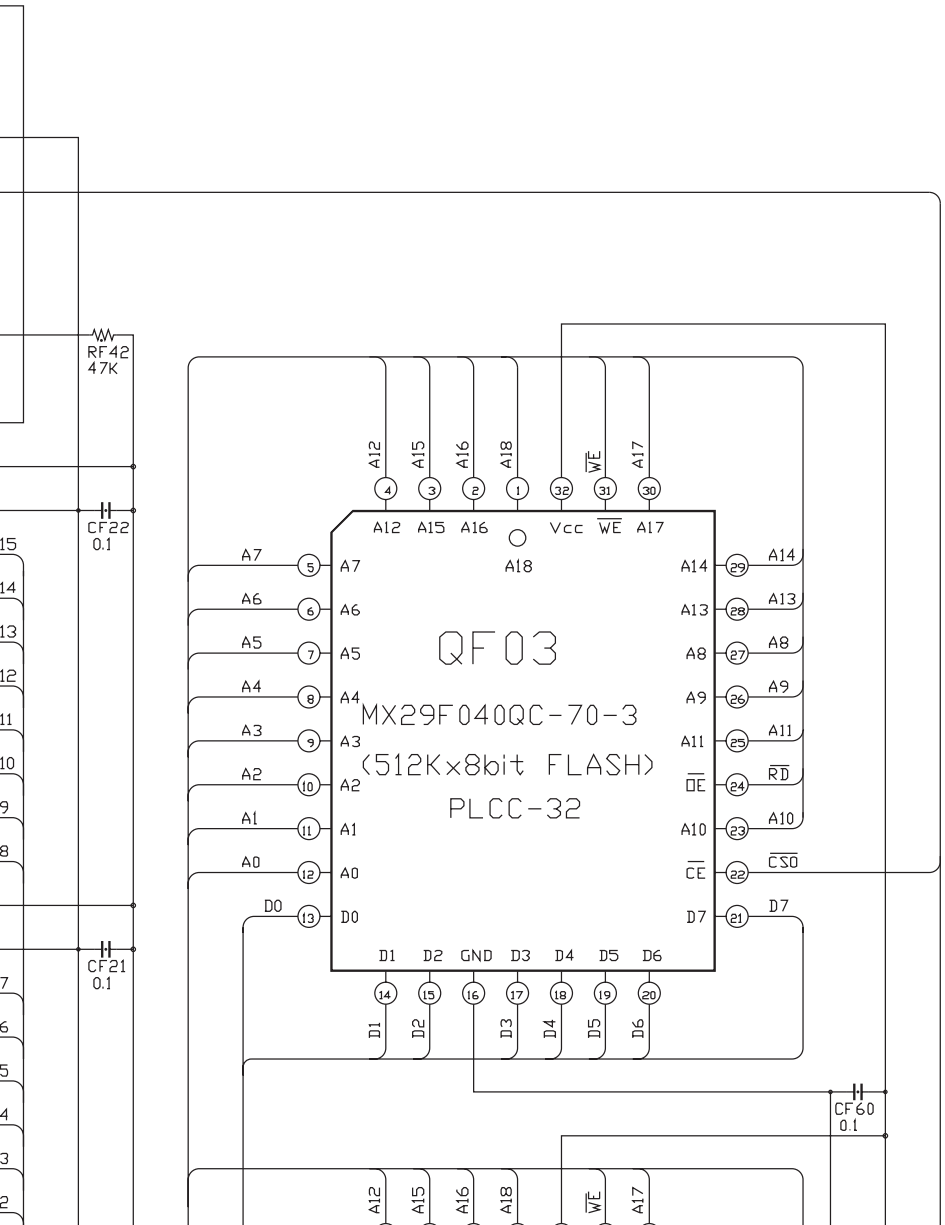
B

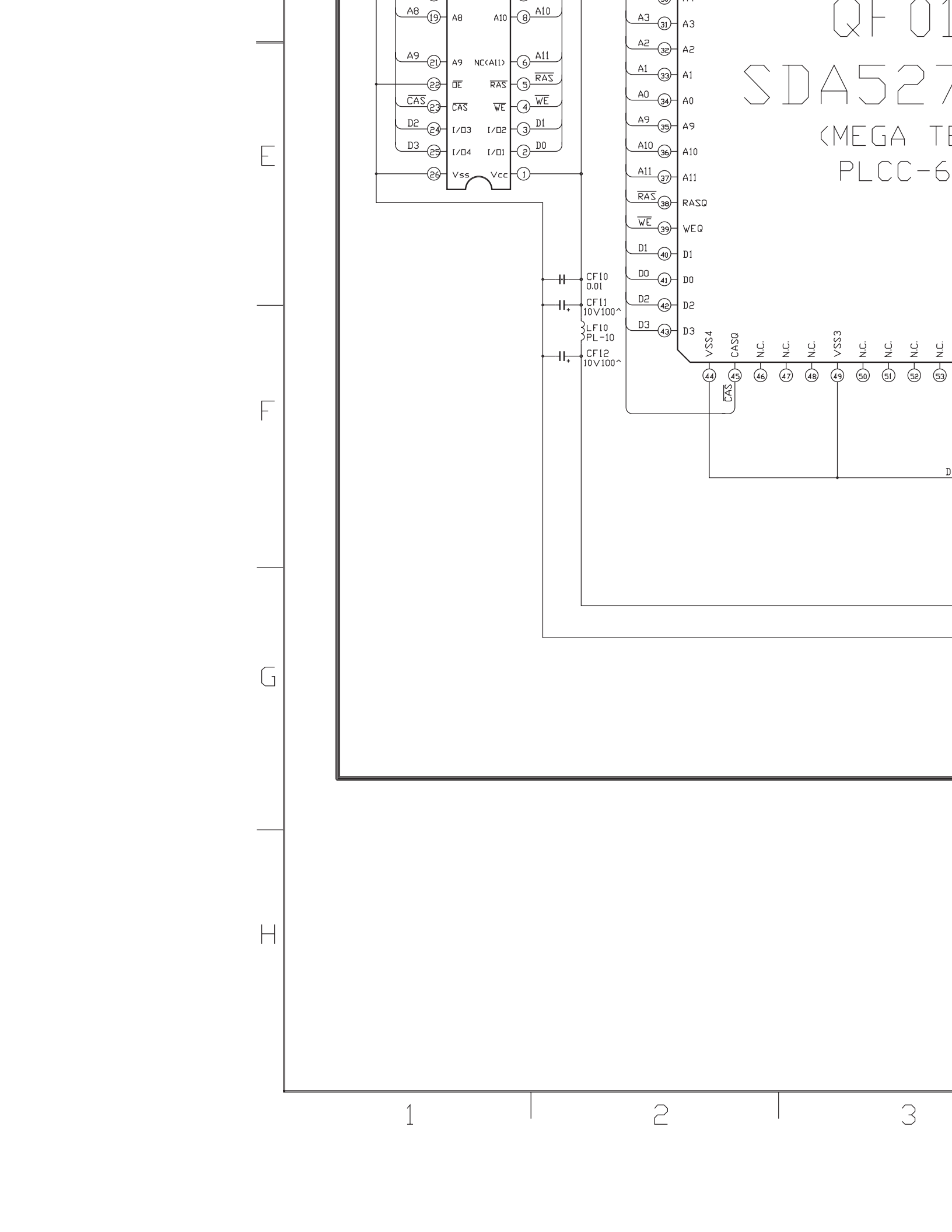
C

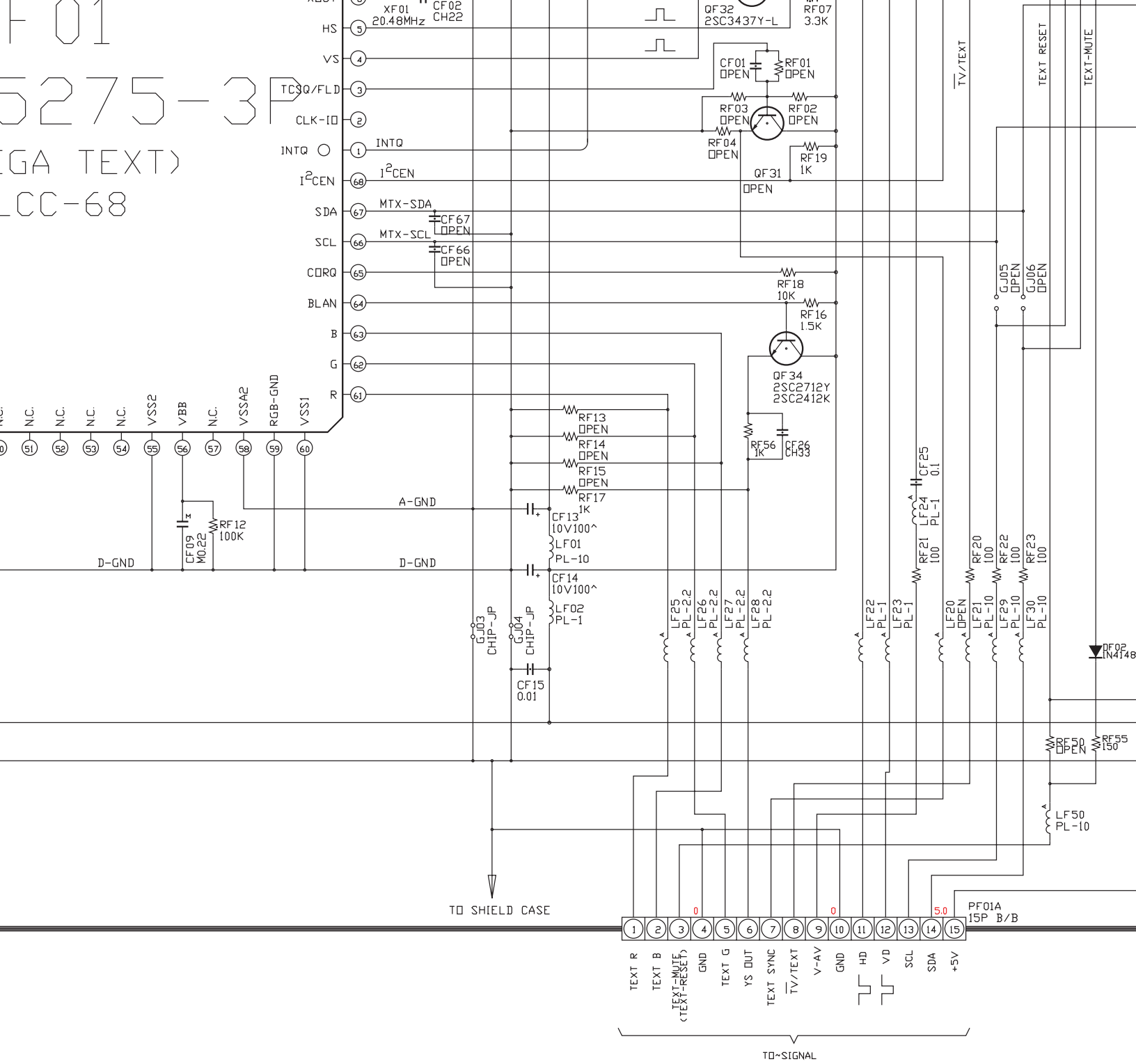
D

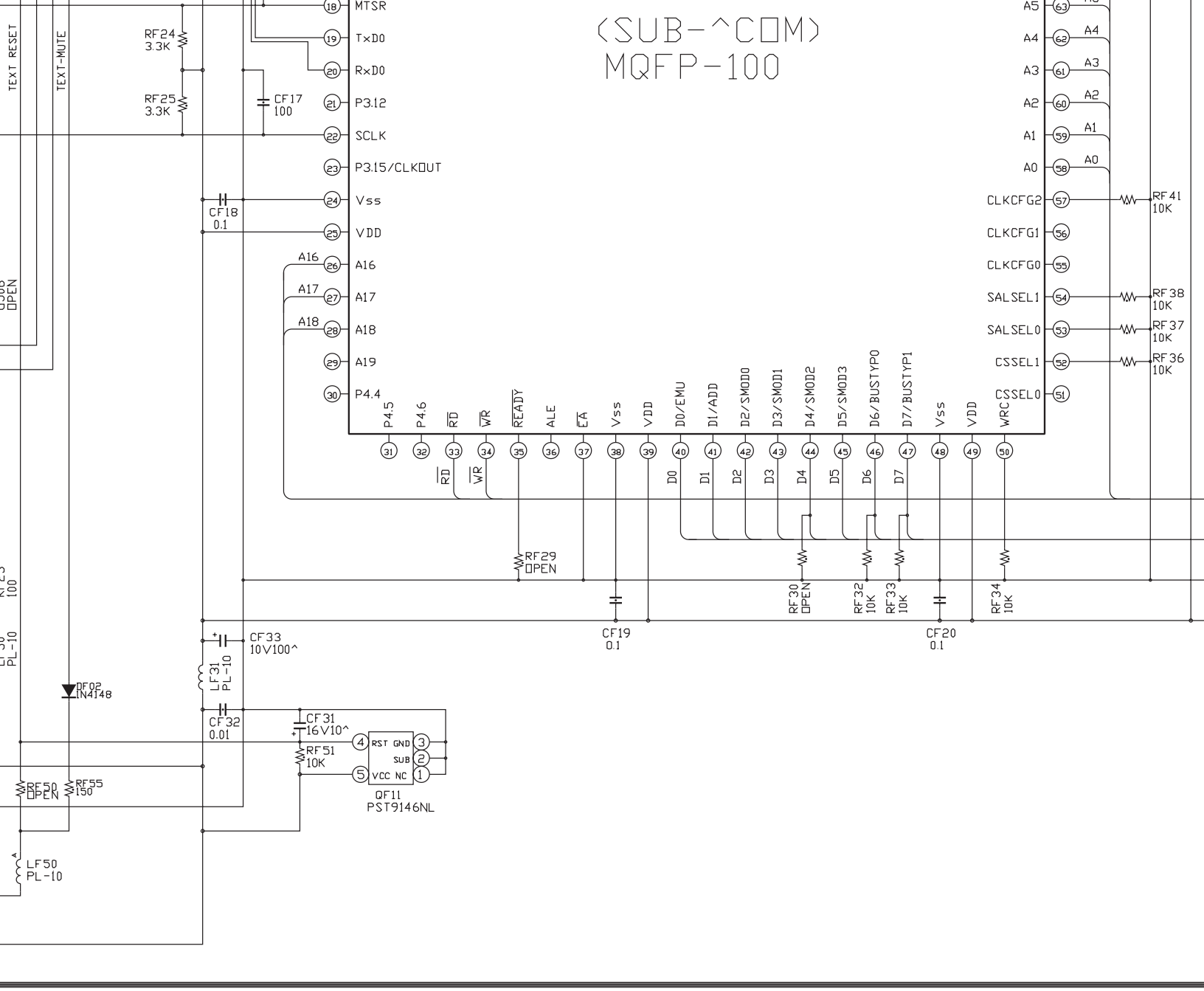
N-10SC

AF JA-TB-01
ROM)



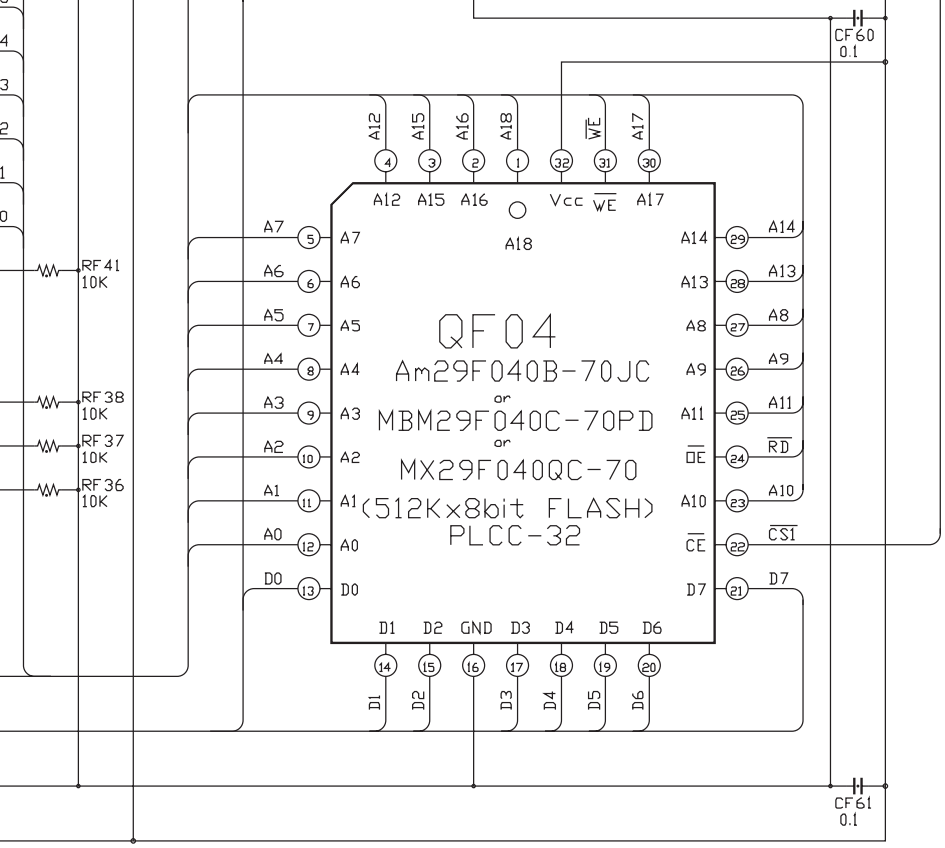

QF01
SDA527
(MEGA TE
PLCC-6
A8 19 A8
A9 21 A9
22 OE
CAS 23 CAS
D2 24 I/O3
D3 25 I/O4
26 Vss
A10 8 A10
NC(A11) 6 A11
RAS 5 RAS
WE 4 WE
I/O2 3 D1
I/O1 2 D0
Vcc 1
A3 31 A3
A2 32 A2
A1 33 A1
A0 34 A0
A9 35 A9
A10 36 A10
A11 37 A11
RAS 38 RASQ
WE 39 WEQ
D1 40 D1
D0 41 D0
D2 42 D2
D3 43 D3
CF10 0.01
CF11 10V100^
LF10 PL-10
CF12 10V100^
VSS4 44
CASQ 45
N.C. 46
N.C. 47
N.C. 48
VSS3 49
N.C. 50
N.C. 51
N.C. 52
N.C. 53
CAS
E
F
G
H
1
2
3


F01
5275-3P
(GA TEXT)
LCC-68
XF01 20.48MHz
CF02 CH22
HS
VS
TCSQ/FLD
CLK-IO
INTQ
I²CEN
SDA
SCL
CORQ
BLAN
B
G
R
MTX-SDA
MTX-SCL
CF67 OPEN
CF66 OPEN
QF32 2SC3437Y-L
RF07 3.3K
CF01 OPEN
RF01 OPEN
RF03 OPEN
RF02 OPEN
RF04 OPEN
RF19 1K
QF31 OPEN
RF18 10K
RF16 1.5K
QF34 2SC2712Y 2SC2412K
RF56 1K
CF26 CH33
TV/TEXT
TEXT RESET
TEXT-MUTE
GJ05 OPEN
GJ06 OPEN
N.C.
VSS2
VBB
VSSA2
RGB-GND
VSS1
RF13 OPEN
RF14 OPEN
RF15 OPEN
RF17 1K
A-GND
D-GND
CF09 M0.22
RF12 100K
CF13 10V100^
LF01 PL-10
CF14 10V100^
LF02 PL-1
CF15 0.01
GJ03 CHIP-JP
GJ04 CHIP-JP
LF25 PL-2.2
LF26 PL-2.2
LF27 PL-2.2
LF28 PL-2.2
CF25 0.1
LF24 PL-1
RF21 100
RF20 100
RF22 100
RF23 100
LF22 PL-1
LF23 PL-1
LF20 OPEN
LF21 PL-10
LF29 PL-10
LF30 PL-10
DF02 IN4148
RF50 OPEN
RF55 150
LF50 PL-10
TO SHIELD CASE
PF01A 15P B/F
TEXT R
TEXT B
TEXT-MUTE (TEXT-RESET)
GND
TEXT G
YS OUT
TEXT SYNC
TV/TEXT
V-AV
GND
HD
VD
SCL
SDA
+5V
TO~SIGNAL



UNIT SN.	
EPG	SN.23784879
	SN.
	SN.
	SN.

COPPER SIDE PARTS	
	SN.
	SN.
	SN.
	SN.
	SN.



EPG-TEXT(Ver.2)
40WH08G
40WH08B/7

E F G H

10 11 12